

**East Midlands Gateway  
Phase 2 (EMG2)**

**Document DCO 6.8H/MCO 6.8H**

ENVIRONMENTAL STATEMENT

**Technical Appendices**

Appendix 8H

# Ecological Receptor Impacts

April 2026

08

The East Midlands Gateway Phase 2  
and Highway Order 202X and The East Midlands Gateway  
Rail Freight and Highway (Amendment) Order 202X

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**The East Midlands Gateway Phase 2 and  
Highway Order 202X and the East Midlands Gateway  
Rail Freight and Highway (Amendment) Order 202X**

**APPENDIX 8H – ECOLOGICAL RECEPTOR IMPACTS  
(DOCUMENT DCO 6.8H/MCO 6.8H)**

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## Appendix 8h – Ecological Receptor Impacts

### EMG2 Project Impacts

The following tables present results from the assessment of **EMG2 Project** impacts with regards to air quality on identified ecological sites.

The impacts of the operational phase of the **EMG2 Project** are demonstrated in **Table 8h.1** to **Table 8h.60**.

The impacts of the construction phase are presented **Table 8h.61** to **Table 8h.110**.

The results are presented first for the 2028 'A' scenarios for each sensitive site, followed by the 2028 'B' scenarios.

Summary tables for the 'worst-case scenario' for each site are presented in **Table 8h.111** to **Table 8h.116**.

Each ecological site is illustrated in **Appendix 8D (Document DCO 6.8D/MCO 6.8D)** alongside the co-ordinates for the site. An overview of the sites is set out in **Figure 8d.1**. The order in which the ecological sites are listed are as follows:

- Oakley Wood SSSI (**Table 8d.1** and **Figure 8d.2** in **Appendix 8D (Document DCO 6.8D/MCO 6.8D)**);
- Tonge Gorse Ancient & Semi-Natural Woodland (**Table 8d.2** and **Figure 8d.3** in **Appendix 8D (Document DCO 6.8D/MCO 6.8D)**);
- Lount Meadows SSSI (**Table 8d.3** and **Figure 8d.4** in **Appendix 8D (Document DCO 6.8D/MCO 6.8D)**);
- Breedon Cloud Wood and Quarry SSSI (**Table 8d.4** and **Figure 8d.5** in **Appendix 8D (Document DCO 6.8D/MCO 6.8D)**);
- March Covert Ancient Woodland (**Table 8d.5** and **Figure 8d.6** in **Appendix 8D (Document DCO 6.8D/MCO 6.8D)**);
- On-Site Veteran Trees and Off-Site Ancient Trees (**Table 8d.6** and **Figure 8d.7** and **Figure 8d.8** in **Appendix 8D (Document DCO 6.8D/MCO 6.8D)**)

To note, March Covert Ancient Woodland and Off-Site Ancient Trees were not assessed in the Construction Scenarios since the adjacent highways were not predicted to see an increase in vehicular traffic during this phase.

**Oakley Wood SSSI**

**Table 8h.1: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Oakley Wood SSSI)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
MN.E1.R0	33.92	34.36	0.44	1.5%
MN.E1.R2	32.73	33.15	0.42	1.4%
MN.E1.R5	31.15	31.55	0.40	1.3%
MN.E1.R10	28.95	29.31	0.36	1.2%
MN.E1.R20	25.63	25.93	0.30	1.0%
MN.E1.R30	23.24	23.50	0.26	0.9%
MN.E1.R40	21.45	21.67	0.23	0.8%
MN.E1.R50	20.04	20.24	0.20	0.7%
MN.E1.R60	18.90	19.09	0.18	0.6%
MN.E1.R70	17.96	18.13	0.17	0.6%
MN.E1.R80	17.17	17.33	0.15	0.5%
MN.E1.R90	16.50	16.64	0.14	0.5%
MN.E1.R100	15.92	16.06	0.13	0.4%
MN.E1.R110	15.42	15.54	0.12	0.4%
MN.E1.R120	14.97	15.08	0.11	0.4%
MN.E1.R130	14.57	14.68	0.11	0.4%
MN.E1.R140	14.22	14.32	0.10	0.3%
MN.E1.R150	13.90	14.00	0.09	0.3%
MN.E1.R160	13.62	13.71	0.09	0.3%
MN.E1.R170	13.36	13.45	0.08	0.3%
MN.E1.R180	13.13	13.21	0.08	0.3%
MN.E1.R190	12.92	12.99	0.08	0.3%
MN.E1.R200	12.72	12.79	0.07	0.2%

**Table 8h.2: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Oakley Wood SSSI)**

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 2a (µg/m <sup>3</sup> ) PC		
MN.E1.R0	16.33	16.62	0.29	0.4%
MN.E1.R2	15.55	15.83	0.27	0.4%
MN.E1.R5	14.53	14.78	0.26	0.3%
MN.E1.R10	13.09	13.32	0.23	0.3%
MN.E1.R20	10.93	11.12	0.20	0.3%
MN.E1.R30	9.37	9.54	0.17	0.2%
MN.E1.R40	8.20	8.35	0.15	0.2%
MN.E1.R50	7.28	7.42	0.13	0.2%
MN.E1.R60	6.54	6.66	0.12	0.2%
MN.E1.R70	5.93	6.04	0.11	0.1%
MN.E1.R80	5.42	5.52	0.10	0.1%
MN.E1.R90	4.98	5.07	0.09	0.1%
MN.E1.R100	4.60	4.69	0.09	0.1%
MN.E1.R110	4.27	4.35	0.08	0.1%
MN.E1.R120	3.98	4.05	0.07	0.1%
MN.E1.R130	3.72	3.79	0.07	0.1%
MN.E1.R140	3.49	3.56	0.07	0.1%
MN.E1.R150	3.29	3.35	0.06	0.1%
MN.E1.R160	3.10	3.16	0.06	0.1%
MN.E1.R170	2.93	2.99	0.05	0.1%
MN.E1.R180	2.78	2.83	0.05	0.1%
MN.E1.R190	2.64	2.69	0.05	0.1%
MN.E1.R200	2.51	2.56	0.05	0.1%

**Table 8h.3: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Oakley Wood SSSI)**

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
MN.E1.R0	2.38	2.44	0.06	6.04%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
MN.E1.R2	2.26	2.32	0.06	5.75%
MN.E1.R5	2.11	2.16	0.05	5.37%
MN.E1.R10	1.90	1.94	0.05	4.84%
MN.E1.R20	1.58	1.62	0.04	4.04%
MN.E1.R30	1.35	1.38	0.03	3.46%
MN.E1.R40	1.18	1.21	0.03	3.03%
MN.E1.R50	1.04	1.07	0.03	2.69%
MN.E1.R60	0.94	0.96	0.02	2.42%
MN.E1.R70	0.85	0.87	0.02	2.19%
MN.E1.R80	0.77	0.79	0.02	2.00%
MN.E1.R90	0.71	0.73	0.02	1.84%
MN.E1.R100	0.66	0.67	0.02	1.70%
MN.E1.R110	0.61	0.62	0.02	1.57%
MN.E1.R120	0.57	0.58	0.01	1.47%
MN.E1.R130	0.53	0.54	0.01	1.37%
MN.E1.R140	0.50	0.51	0.01	1.29%
MN.E1.R150	0.47	0.48	0.01	1.21%
MN.E1.R160	0.44	0.45	0.01	1.14%
MN.E1.R170	0.42	0.43	0.01	1.08%
MN.E1.R180	0.40	0.41	0.01	1.03%
MN.E1.R190	0.38	0.39	0.01	0.98%
MN.E1.R200	0.36	0.37	0.01	0.93%

Table 8h.4: Predicted 2028 Total Acid Deposition (Oakley Wood SSSI)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
MN.E1.R0	2.39	2.39	0.01	2.4%
MN.E1.R2	2.37	2.38	0.00	2.3%
MN.E1.R5	2.36	2.36	0.00	2.1%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
MN.E1.R10	2.33	2.34	0.00	2.0%
MN.E1.R20	2.30	2.30	0.00	1.7%
MN.E1.R30	2.27	2.27	0.00	1.5%
MN.E1.R40	2.25	2.25	0.00	1.3%
MN.E1.R50	2.23	2.23	0.00	1.1%
MN.E1.R60	2.22	2.22	0.00	1.0%
MN.E1.R70	2.21	2.21	0.00	1.0%
MN.E1.R80	2.20	2.20	0.00	0.9%
MN.E1.R90	2.19	2.19	0.00	0.8%
MN.E1.R100	2.18	2.19	0.00	0.8%
MN.E1.R110	2.18	2.18	0.00	0.7%
MN.E1.R120	2.17	2.17	0.00	0.7%
MN.E1.R130	2.17	2.17	0.00	0.6%
MN.E1.R140	2.16	2.17	0.00	0.6%
MN.E1.R150	2.16	2.16	0.00	0.5%
MN.E1.R160	2.16	2.16	0.00	0.5%
MN.E1.R170	2.15	2.16	0.00	0.6%
MN.E1.R180	2.15	2.15	0.00	0.5%
MN.E1.R190	2.15	2.15	0.00	0.4%
MN.E1.R200	2.15	2.15	0.00	0.4%

Table 8h.5: Predicted 2028 Total Nitrogen Deposition (Oakley Wood SSSI)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
MN.E1.R0	50.07	50.59	0.53	3.5%
MN.E1.R2	49.02	49.52	0.50	3.3%
MN.E1.R5	47.64	48.11	0.47	3.1%
MN.E1.R10	45.71	46.13	0.42	2.8%
MN.E1.R20	42.79	43.15	0.36	2.4%
MN.E1.R30	40.70	41.01	0.30	2.0%
MN.E1.R40	39.13	39.40	0.27	1.8%
MN.E1.R50	37.90	38.13	0.24	1.6%
MN.E1.R60	36.91	37.12	0.21	1.4%
MN.E1.R70	36.08	36.28	0.19	1.3%
MN.E1.R80	35.39	35.57	0.18	1.2%
MN.E1.R90	34.81	34.97	0.16	1.1%
MN.E1.R100	34.31	34.46	0.15	1.0%
MN.E1.R110	33.87	34.01	0.14	0.9%
MN.E1.R120	33.47	33.61	0.13	0.9%
MN.E1.R130	33.13	33.25	0.12	0.8%
MN.E1.R140	32.83	32.94	0.11	0.8%
MN.E1.R150	32.55	32.66	0.11	0.7%
MN.E1.R160	32.31	32.41	0.10	0.7%
MN.E1.R170	32.08	32.18	0.10	0.7%
MN.E1.R180	31.89	31.98	0.09	0.6%
MN.E1.R190	31.71	31.79	0.08	0.6%
MN.E1.R200	31.53	31.61	0.08	0.5%

**Tonge Gorse Ancient & Semi Natural Woodland**

**Table 8h.6: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Tonge Gorse)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	35.29	37.21	1.91	6.4%
AB.E2.R2	35.04	36.90	1.86	6.2%
AB.E2.R5	34.56	36.34	1.78	5.9%
AB.E2.R10	33.57	35.23	1.66	5.5%
AB.E2.R20	31.42	32.86	1.44	4.8%
AB.E2.R30	29.54	30.83	1.29	4.3%
AB.E2.R40	28.05	29.26	1.21	4.0%
AB.E2.R50	27.08	28.29	1.22	4.1%
AB.E2.R60	26.92	28.27	1.34	4.5%
AB.E3.R0	23.30	24.61	1.31	4.4%
AB.E3.R2	22.65	23.86	1.21	4.0%
AB.E3.R5	21.86	22.96	1.09	3.6%
AB.E3.R10	20.84	21.79	0.94	3.1%
AB.E3.R20	19.46	20.21	0.75	2.5%
AB.E3.R30	18.50	19.13	0.63	2.1%
AB.E3.R40	17.79	18.34	0.55	1.8%
AB.E3.R50	17.21	17.70	0.49	1.6%
AB.E3.R60	16.73	17.17	0.44	1.5%
AB.E3.R70	16.31	16.72	0.40	1.3%
AB.E3.R80	15.95	16.32	0.37	1.2%
AB.E3.R90	15.63	15.97	0.35	1.2%
AB.E3.R100	15.33	15.66	0.32	1.1%
AB.E3.R110	15.07	15.37	0.30	1.0%
AB.E3.R120	14.82	15.11	0.29	1.0%
AB.E3.R130	14.60	14.87	0.27	0.9%
AB.E3.R140	14.39	14.64	0.26	0.9%

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
AB.E3.R150	14.19	14.43	0.25	0.8%
AB.E3.R160	14.00	14.24	0.23	0.8%
AB.E3.R170	13.83	14.05	0.22	0.7%
AB.E3.R180	13.67	13.88	0.21	0.7%
AB.E3.R190	13.51	13.72	0.20	0.7%
AB.E3.R200	13.37	13.56	0.20	0.7%

Table 8h.7: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Tonge Gorse)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 2a (µg/m <sup>3</sup> ) PC		
AB.E2.R0	6.68	7.17	0.49	0.6%
AB.E2.R2	6.62	7.09	0.47	0.6%
AB.E2.R5	6.50	6.95	0.45	0.6%
AB.E2.R10	6.25	6.67	0.42	0.6%
AB.E2.R20	5.70	6.07	0.36	0.5%
AB.E2.R30	5.23	5.55	0.33	0.4%
AB.E2.R40	4.85	5.15	0.31	0.4%
AB.E2.R50	4.60	4.91	0.31	0.4%
AB.E2.R60	4.56	4.90	0.34	0.5%
AB.E3.R0	3.64	3.98	0.33	0.4%
AB.E3.R2	3.48	3.79	0.31	0.4%
AB.E3.R5	3.28	3.56	0.28	0.4%
AB.E3.R10	3.02	3.26	0.24	0.3%
AB.E3.R20	2.67	2.86	0.19	0.3%
AB.E3.R30	2.43	2.59	0.16	0.2%
AB.E3.R40	2.25	2.39	0.14	0.2%
AB.E3.R50	2.10	2.23	0.12	0.2%
AB.E3.R60	1.98	2.09	0.11	0.1%
AB.E3.R70	1.87	1.98	0.10	0.1%

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 2a (µg/m <sup>3</sup> ) PC		
AB.E3.R80	1.78	1.88	0.09	0.1%
AB.E3.R90	1.70	1.79	0.09	0.1%
AB.E3.R100	1.63	1.71	0.08	0.1%
AB.E3.R110	1.56	1.64	0.08	0.1%
AB.E3.R120	1.50	1.57	0.07	0.1%
AB.E3.R130	1.44	1.51	0.07	0.1%
AB.E3.R140	1.38	1.45	0.07	0.1%
AB.E3.R150	1.33	1.40	0.06	0.1%
AB.E3.R160	1.29	1.35	0.06	0.1%
AB.E3.R170	1.24	1.30	0.06	0.1%
AB.E3.R180	1.20	1.26	0.05	0.1%
AB.E3.R190	1.16	1.22	0.05	0.1%
AB.E3.R200	1.13	1.18	0.05	0.1%

Table 8h.8: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Tonge Gorse)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	2.55	2.62	0.08	7.52%
AB.E2.R2	2.54	2.61	0.07	7.30%
AB.E2.R5	2.52	2.59	0.07	6.98%
AB.E2.R10	2.49	2.55	0.06	6.43%
AB.E2.R20	2.42	2.48	0.05	5.50%
AB.E2.R30	2.37	2.42	0.05	5.00%
AB.E2.R40	2.32	2.37	0.05	4.86%
AB.E2.R50	2.30	2.36	0.05	5.11%
AB.E2.R60	2.32	2.38	0.06	6.01%
AB.E3.R0	2.23	2.29	0.06	6.10%
AB.E3.R2	2.20	2.25	0.06	5.57%
AB.E3.R5	2.16	2.21	0.05	4.95%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
AB.E3.R10	2.11	2.15	0.04	4.18%
AB.E3.R20	2.04	2.07	0.03	3.23%
AB.E3.R30	2.00	2.02	0.03	2.64%
AB.E3.R40	1.97	1.99	0.02	2.25%
AB.E3.R50	1.94	1.96	0.02	1.97%
AB.E3.R60	1.92	1.94	0.02	1.75%
AB.E3.R70	1.90	1.92	0.02	1.58%
AB.E3.R80	1.89	1.91	0.01	1.45%
AB.E3.R90	1.88	1.89	0.01	1.33%
AB.E3.R100	1.87	1.88	0.01	1.24%
AB.E3.R110	1.86	1.87	0.01	1.16%
AB.E3.R120	1.85	1.86	0.01	1.09%
AB.E3.R130	1.84	1.85	0.01	1.02%
AB.E3.R140	1.83	1.84	0.01	0.97%
AB.E3.R150	1.83	1.84	0.01	0.92%
AB.E3.R160	1.82	1.83	0.01	0.88%
AB.E3.R170	1.81	1.82	0.01	0.84%
AB.E3.R180	1.81	1.82	0.01	0.80%
AB.E3.R190	1.80	1.81	0.01	0.76%
AB.E3.R200	1.80	1.81	0.01	0.73%

Table 8h.9: Predicted 2028 Total Acid Deposition (Tonge Gorse)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
AB.E2.R0	2.35	2.37	0.02	8.4%
AB.E2.R2	2.34	2.36	0.02	8.2%
AB.E2.R5	2.34	2.36	0.02	7.9%
AB.E2.R10	2.33	2.35	0.02	7.3%
AB.E2.R20	2.31	2.32	0.01	6.5%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
AB.E2.R30	2.29	2.31	0.01	5.8%
AB.E2.R40	2.28	2.29	0.01	5.5%
AB.E2.R50	2.27	2.28	0.01	5.7%
AB.E2.R60	2.27	2.28	0.01	6.3%
AB.E3.R0	2.23	2.25	0.01	6.2%
AB.E3.R2	2.23	2.24	0.01	5.9%
AB.E3.R5	2.22	2.23	0.01	5.3%
AB.E3.R10	2.21	2.22	0.01	4.6%
AB.E3.R20	2.19	2.20	0.01	3.7%
AB.E3.R30	2.18	2.19	0.01	3.0%
AB.E3.R40	2.17	2.18	0.01	2.7%
AB.E3.R50	2.17	2.17	0.01	2.4%
AB.E3.R60	2.16	2.17	0.00	2.2%
AB.E3.R70	2.16	2.16	0.00	2.0%
AB.E3.R80	2.16	2.16	0.00	1.8%
AB.E3.R90	2.15	2.16	0.00	1.8%
AB.E3.R100	2.15	2.15	0.00	1.7%
AB.E3.R110	2.15	2.15	0.00	1.5%
AB.E3.R120	2.14	2.15	0.00	1.4%
AB.E3.R130	2.14	2.14	0.00	1.3%
AB.E3.R140	2.14	2.14	0.00	1.3%
AB.E3.R150	2.14	2.14	0.00	1.2%
AB.E3.R160	2.13	2.14	0.00	1.1%
AB.E3.R170	2.13	2.14	0.00	1.1%
AB.E3.R180	2.13	2.13	0.00	1.0%
AB.E3.R190	2.13	2.13	0.00	1.0%
AB.E3.R200	2.13	2.13	0.00	1.0%

Table 8h.10: Predicted 2028 Total Nitrogen Deposition (Tonge Gorse)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
AB.E2.R0	38.68	39.49	0.82	8.2%
AB.E2.R2	38.57	39.36	0.79	7.9%
AB.E2.R5	38.38	39.14	0.76	7.6%
AB.E2.R10	38.01	38.71	0.70	7.0%
AB.E2.R20	37.25	37.85	0.61	6.1%
AB.E2.R30	36.57	37.12	0.55	5.5%
AB.E2.R40	36.05	36.58	0.53	5.3%
AB.E2.R50	35.77	36.32	0.55	5.5%
AB.E2.R60	35.90	36.55	0.64	6.4%
AB.E3.R0	34.70	35.34	0.65	6.5%
AB.E3.R2	34.36	34.95	0.60	6.0%
AB.E3.R5	33.95	34.48	0.53	5.3%
AB.E3.R10	33.42	33.87	0.45	4.5%
AB.E3.R20	32.71	33.07	0.35	3.5%
AB.E3.R30	32.24	32.53	0.29	2.9%
AB.E3.R40	31.90	32.15	0.25	2.5%
AB.E3.R50	31.63	31.85	0.22	2.2%
AB.E3.R60	31.41	31.61	0.20	2.0%
AB.E3.R70	31.23	31.41	0.18	1.8%
AB.E3.R80	31.07	31.23	0.16	1.6%
AB.E3.R90	30.93	31.08	0.15	1.5%
AB.E3.R100	30.80	30.95	0.14	1.4%
AB.E3.R110	30.69	30.82	0.13	1.3%
AB.E3.R120	30.59	30.71	0.12	1.2%
AB.E3.R130	30.50	30.61	0.12	1.2%
AB.E3.R140	30.41	30.52	0.11	1.1%
AB.E3.R150	30.33	30.43	0.11	1.1%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
AB.E3.R160	30.25	30.35	0.10	1.0%
AB.E3.R170	30.18	30.27	0.10	1.0%
AB.E3.R180	30.11	30.20	0.09	0.9%
AB.E3.R190	30.05	30.14	0.09	0.9%
AB.E3.R200	29.99	30.08	0.09	0.9%

Lount Meadows SSSI

Table 8h.11: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
TK.E3.R0	40.54	41.65	1.11	3.7%
TK.E3.R2	38.85	39.91	1.06	3.5%
TK.E3.R5	36.62	37.61	0.99	3.3%
TK.E3.R10	33.56	34.45	0.89	3.0%
TK.E3.R20	29.01	29.76	0.75	2.5%
TK.E3.R30	25.80	26.45	0.64	2.1%
TK.E3.R40	23.41	23.98	0.57	1.9%
TK.E3.R50	21.55	22.05	0.50	1.7%
TK.E3.R60	20.06	20.51	0.46	1.5%
TK.E3.R70	18.83	19.25	0.41	1.4%
TK.E3.R80	17.81	18.19	0.38	1.3%
TK.E3.R90	16.95	17.30	0.35	1.2%
TK.E3.R100	16.21	16.53	0.32	1.1%
TK.E3.R110	15.57	15.87	0.30	1.0%
TK.E3.R120	15.01	15.29	0.28	0.9%
TK.E3.R130	14.52	14.78	0.26	0.9%
TK.E3.R140	14.09	14.33	0.24	0.8%
TK.E3.R150	13.70	13.93	0.23	0.8%

Table 8h.12: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 2a (µg/m <sup>3</sup> ) PC		
TK.E3.R0	8.21	8.49	0.28	0.4%
TK.E3.R2	7.78	8.05	0.27	0.4%
TK.E3.R5	7.21	7.47	0.25	0.3%
TK.E3.R10	6.43	6.66	0.23	0.3%

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 2a (µg/m <sup>3</sup> ) PC		
TK.E3.R20	5.28	5.47	0.19	0.3%
TK.E3.R30	4.46	4.62	0.16	0.2%
TK.E3.R40	3.85	3.99	0.14	0.2%
TK.E3.R50	3.38	3.50	0.13	0.2%
TK.E3.R60	3.00	3.11	0.12	0.2%
TK.E3.R70	2.68	2.79	0.11	0.1%
TK.E3.R80	2.42	2.52	0.10	0.1%
TK.E3.R90	2.20	2.29	0.09	0.1%
TK.E3.R100	2.02	2.10	0.08	0.1%
TK.E3.R110	1.85	1.93	0.08	0.1%
TK.E3.R120	1.71	1.78	0.07	0.1%
TK.E3.R130	1.59	1.65	0.07	0.1%
TK.E3.R140	1.47	1.54	0.06	0.1%
TK.E3.R150	1.38	1.43	0.06	0.1%

Table 8h.13: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
TK.E3.R0	3.02	3.06	0.04	1.42%
TK.E3.R2	2.96	3.00	0.04	1.34%
TK.E3.R5	2.88	2.91	0.04	1.24%
TK.E3.R10	2.77	2.80	0.03	1.10%
TK.E3.R20	2.60	2.63	0.03	0.89%
TK.E3.R30	2.49	2.51	0.02	0.75%
TK.E3.R40	2.40	2.42	0.02	0.64%
TK.E3.R50	2.34	2.35	0.02	0.56%
TK.E3.R60	2.28	2.30	0.01	0.50%
TK.E3.R70	2.24	2.25	0.01	0.44%
TK.E3.R80	2.20	2.22	0.01	0.40%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
TK.E3.R90	2.17	2.18	0.01	0.36%
TK.E3.R100	2.15	2.16	0.01	0.33%
TK.E3.R110	2.12	2.13	0.01	0.30%
TK.E3.R120	2.10	2.11	0.01	0.28%
TK.E3.R130	2.09	2.09	0.01	0.26%
TK.E3.R140	2.07	2.08	0.01	0.24%
TK.E3.R150	2.06	2.07	0.01	0.22%

Table 8h.14: Predicted 2028 Total Acid Deposition (Lount Meadows SSSI)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
TK.E3.R0	2.30	2.31	0.00	0.4%
TK.E3.R2	2.30	2.30	0.00	0.3%
TK.E3.R5	2.29	2.29	0.00	0.3%
TK.E3.R10	2.27	2.27	0.00	0.3%
TK.E3.R20	2.25	2.25	0.00	0.3%
TK.E3.R30	2.23	2.23	0.00	0.2%
TK.E3.R40	2.22	2.22	0.00	0.2%
TK.E3.R50	2.21	2.21	0.00	0.2%
TK.E3.R60	2.20	2.20	0.00	0.2%
TK.E3.R70	2.20	2.20	0.00	0.2%
TK.E3.R80	2.19	2.19	0.00	0.1%
TK.E3.R90	2.19	2.19	0.00	0.1%
TK.E3.R100	2.18	2.18	0.00	0.1%
TK.E3.R110	2.18	2.18	0.00	0.1%
TK.E3.R120	2.18	2.18	0.00	0.1%
TK.E3.R130	2.17	2.17	0.00	0.1%
TK.E3.R140	2.17	2.17	0.00	0.1%
TK.E3.R150	2.17	2.17	0.00	0.1%

**Table 8h.15: Predicted 2028 Total Nitrogen Deposition (Lount Meadows SSSI)**

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
TK.E3.R0	37.72	37.97	0.26	2.6%
TK.E3.R2	37.30	37.55	0.24	2.4%
TK.E3.R5	36.75	36.98	0.23	2.3%
TK.E3.R10	35.99	36.19	0.20	2.0%
TK.E3.R20	34.86	35.02	0.17	1.7%
TK.E3.R30	34.05	34.19	0.14	1.4%
TK.E3.R40	33.45	33.58	0.12	1.2%
TK.E3.R50	32.98	33.09	0.11	1.1%
TK.E3.R60	32.61	32.70	0.10	1.0%
TK.E3.R70	32.30	32.38	0.09	0.9%
TK.E3.R80	32.04	32.12	0.08	0.8%
TK.E3.R90	31.82	31.89	0.07	0.7%
TK.E3.R100	31.63	31.70	0.07	0.7%
TK.E3.R110	31.47	31.53	0.06	0.6%
TK.E3.R120	31.33	31.38	0.06	0.6%
TK.E3.R130	31.20	31.26	0.05	0.5%
TK.E3.R140	31.10	31.14	0.05	0.5%
TK.E3.R150	31.00	31.04	0.05	0.5%

**Breedon Cloud Wood and Quarry SSSI**

**Table 8h.16: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Breedon and Cloud Wood Quarry)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
TK.E4.R0	16.67	17.51	0.84	2.8%
TK.E4.R2	15.72	16.48	0.76	2.5%
TK.E4.R5	14.66	15.33	0.67	2.2%
TK.E4.R10	13.45	14.01	0.56	1.9%
TK.E4.R20	12.02	12.44	0.42	1.4%
TK.E4.R30	11.19	11.54	0.34	1.1%
TK.E4.R40	10.65	10.94	0.28	0.9%
TK.E4.R50	10.28	10.52	0.24	0.8%
TK.E4.R60	10.00	10.21	0.21	0.7%
TK.E4.R70	9.78	9.97	0.19	0.6%
TK.E4.R80	9.61	9.77	0.17	0.6%
TK.E4.R90	9.47	9.62	0.15	0.5%
TK.E4.R100	9.35	9.49	0.14	0.5%
TK.E4.R110	9.26	9.38	0.13	0.4%
TK.E4.R120	9.18	9.29	0.12	0.4%
TK.E4.R130	9.10	9.21	0.11	0.4%
TK.E4.R140	9.04	9.14	0.10	0.3%
TK.E4.R150	8.99	9.08	0.09	0.3%
TK.E4.R160	8.94	9.03	0.09	0.3%
TK.E4.R170	8.89	8.98	0.08	0.3%
TK.E4.R180	8.86	8.93	0.08	0.3%
TK.E4.R190	8.82	8.90	0.07	0.2%
TK.E4.R200	8.79	8.86	0.07	0.2%

**Table 8h.17: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Breedon and Cloud Wood Quarry)**

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 2a (µg/m <sup>3</sup> ) PC		
TK.E4.R0	2.23	2.44	0.21	0.3%
TK.E4.R2	1.99	2.18	0.19	0.3%
TK.E4.R5	1.72	1.89	0.17	0.2%
TK.E4.R10	1.41	1.56	0.14	0.2%
TK.E4.R20	1.05	1.16	0.11	0.1%
TK.E4.R30	0.84	0.93	0.09	0.1%
TK.E4.R40	0.70	0.78	0.07	0.1%
TK.E4.R50	0.61	0.67	0.06	0.1%
TK.E4.R60	0.54	0.59	0.05	0.1%
TK.E4.R70	0.48	0.53	0.05	0.1%
TK.E4.R80	0.44	0.48	0.04	0.1%
TK.E4.R90	0.40	0.44	0.04	0.1%
TK.E4.R100	0.37	0.41	0.03	0.0%
TK.E4.R110	0.35	0.38	0.03	0.0%
TK.E4.R120	0.33	0.36	0.03	0.0%
TK.E4.R130	0.31	0.34	0.03	0.0%
TK.E4.R140	0.29	0.32	0.03	0.0%
TK.E4.R150	0.28	0.30	0.02	0.0%
TK.E4.R160	0.27	0.29	0.02	0.0%
TK.E4.R170	0.26	0.28	0.02	0.0%
TK.E4.R180	0.25	0.27	0.02	0.0%
TK.E4.R190	0.24	0.26	0.02	0.0%
TK.E4.R200	0.23	0.25	0.02	0.0%

**Table 8h.18: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Breedon and Cloud Wood Quarry)**

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
TK.E4.R0	2.06	2.10	0.03	3.20%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
TK.E4.R2	2.03	2.05	0.03	2.91%
TK.E4.R5	1.98	2.01	0.03	2.56%
TK.E4.R10	1.94	1.96	0.02	2.15%
TK.E4.R20	1.88	1.89	0.02	1.63%
TK.E4.R30	1.84	1.86	0.01	1.30%
TK.E4.R40	1.82	1.83	0.01	1.08%
TK.E4.R50	1.81	1.81	0.01	0.92%
TK.E4.R60	1.79	1.80	0.01	0.80%
TK.E4.R70	1.78	1.79	0.01	0.70%
TK.E4.R80	1.78	1.78	0.01	0.63%
TK.E4.R90	1.77	1.78	0.01	0.57%
TK.E4.R100	1.77	1.77	0.01	0.52%
TK.E4.R110	1.76	1.77	0.00	0.48%
TK.E4.R120	1.76	1.76	0.00	0.44%
TK.E4.R130	1.76	1.76	0.00	0.41%
TK.E4.R140	1.75	1.76	0.00	0.38%
TK.E4.R150	1.75	1.76	0.00	0.35%
TK.E4.R160	1.75	1.75	0.00	0.33%
TK.E4.R170	1.75	1.75	0.00	0.31%
TK.E4.R180	1.75	1.75	0.00	0.29%
TK.E4.R190	1.75	1.75	0.00	0.28%
TK.E4.R200	1.74	1.75	0.00	0.26%

Table 8h.19: Predicted 2028 Total Acid Deposition (Breedon and Cloud Wood Quarry)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
TK.E4.R0	2.21	2.21	0.01	6.2%
TK.E4.R2	2.20	2.20	0.01	5.6%
TK.E4.R5	2.18	2.19	0.01	5.0%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
TK.E4.R10	2.17	2.18	0.01	4.4%
TK.E4.R20	2.16	2.16	0.00	3.3%
TK.E4.R30	2.15	2.15	0.00	2.6%
TK.E4.R40	2.14	2.14	0.00	2.2%
TK.E4.R50	2.14	2.14	0.00	1.9%
TK.E4.R60	2.13	2.14	0.00	1.6%
TK.E4.R70	2.13	2.13	0.00	1.4%
TK.E4.R80	2.13	2.13	0.00	1.4%
TK.E4.R90	2.13	2.13	0.00	1.1%
TK.E4.R100	2.13	2.13	0.00	1.1%
TK.E4.R110	2.13	2.13	0.00	0.9%
TK.E4.R120	2.12	2.13	0.00	0.9%
TK.E4.R130	2.12	2.12	0.00	0.9%
TK.E4.R140	2.12	2.12	0.00	0.8%
TK.E4.R150	2.12	2.12	0.00	0.6%
TK.E4.R160	2.12	2.12	0.00	0.6%
TK.E4.R170	2.12	2.12	0.00	0.6%
TK.E4.R180	2.12	2.12	0.00	0.6%
TK.E4.R190	2.12	2.12	0.00	0.6%
TK.E4.R200	2.12	2.12	0.00	0.5%

Table 8h.20: Predicted 2028 Total Nitrogen Deposition (Breedon and Cloud Wood Quarry)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
TK.E4.R0	32.42	32.79	0.36	2.4%
TK.E4.R2	32.00	32.33	0.33	2.2%
TK.E4.R5	31.53	31.82	0.29	1.9%
TK.E4.R10	30.98	31.23	0.25	1.7%
TK.E4.R20	30.32	30.51	0.19	1.3%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
TK.E4.R30	29.94	30.10	0.15	1.0%
TK.E4.R40	29.69	29.82	0.12	0.8%
TK.E4.R50	29.52	29.63	0.11	0.7%
TK.E4.R60	29.39	29.48	0.09	0.6%
TK.E4.R70	29.29	29.37	0.08	0.5%
TK.E4.R80	29.21	29.28	0.07	0.5%
TK.E4.R90	29.14	29.21	0.06	0.4%
TK.E4.R100	29.09	29.15	0.06	0.4%
TK.E4.R110	29.05	29.10	0.05	0.4%
TK.E4.R120	29.01	29.06	0.05	0.3%
TK.E4.R130	28.97	29.02	0.05	0.3%
TK.E4.R140	28.95	28.99	0.04	0.3%
TK.E4.R150	28.92	28.96	0.04	0.3%
TK.E4.R160	28.90	28.94	0.04	0.2%
TK.E4.R170	28.88	28.92	0.04	0.2%
TK.E4.R180	28.86	28.90	0.03	0.2%
TK.E4.R190	28.85	28.88	0.03	0.2%
TK.E4.R200	28.83	28.86	0.03	0.2%

**March Covert Ancient Woodland**

**Table 8h.21: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (March Covert Ancient Woodland)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
CD.E1.R0	45.22	45.50	0.29	1.0%
CD.E1.R2	43.20	43.47	0.27	0.9%
CD.E1.R5	40.57	40.82	0.25	0.8%
CD.E1.R10	37.12	37.33	0.21	0.7%
CD.E1.R20	32.28	32.45	0.17	0.6%
CD.E1.R30	29.20	29.34	0.14	0.5%
CD.E1.R40	26.73	26.84	0.12	0.4%
CD.E1.R50	24.99	25.09	0.10	0.3%
CD.E1.R60	23.64	23.73	0.09	0.3%
CD.E1.R70	22.56	22.64	0.08	0.3%
CD.E1.R80	21.68	21.75	0.07	0.2%
CD.E1.R90	20.95	21.01	0.07	0.2%
CD.E1.R100	20.33	20.39	0.06	0.2%
CD.E1.R110	19.80	19.85	0.06	0.2%
CD.E1.R120	19.34	19.39	0.05	0.2%
CD.E1.R130	18.94	18.99	0.05	0.2%
CD.E1.R140	18.59	18.63	0.04	0.1%
CD.E1.R150	18.27	18.32	0.04	0.1%
CD.E1.R160	18.00	18.03	0.04	0.1%
CD.E1.R170	17.75	17.78	0.04	0.1%
CD.E1.R180	17.52	17.56	0.04	0.1%
CD.E1.R190	17.32	17.35	0.03	0.1%
CD.E1.R200	17.13	17.17	0.03	0.1%

Table 8h.22: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (March Covert Ancient Woodland)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 2a (µg/m <sup>3</sup> ) PC		
CD.E1.R0	8.81	8.89	0.08	0.1%
CD.E1.R2	8.24	8.32	0.08	0.1%
CD.E1.R5	7.98	8.05	0.07	0.1%
CD.E1.R10	7.50	7.57	0.07	0.1%
CD.E1.R20	6.52	6.59	0.06	0.1%
CD.E1.R30	5.16	5.20	0.05	0.1%
CD.E1.R40	4.29	4.33	0.04	0.1%
CD.E1.R50	3.59	3.62	0.03	0.0%
CD.E1.R60	3.10	3.13	0.03	0.0%
CD.E1.R70	2.72	2.74	0.03	0.0%
CD.E1.R80	2.41	2.43	0.02	0.0%
CD.E1.R90	2.16	2.18	0.02	0.0%
CD.E1.R100	1.96	1.97	0.02	0.0%
CD.E1.R110	1.78	1.80	0.02	0.0%
CD.E1.R120	1.63	1.65	0.02	0.0%
CD.E1.R130	1.50	1.52	0.01	0.0%
CD.E1.R140	1.39	1.40	0.01	0.0%
CD.E1.R150	1.29	1.30	0.01	0.0%
CD.E1.R160	1.20	1.21	0.01	0.0%
CD.E1.R170	1.12	1.13	0.01	0.0%
CD.E1.R180	1.05	1.06	0.01	0.0%
CD.E1.R190	0.99	1.00	0.01	0.0%
CD.E1.R200	0.93	0.94	0.01	0.0%

Table 8h.23: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (March Covert Ancient Woodland)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
CD.E1.R0	2.84	2.85	0.01	1.26%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
CD.E1.R2	2.76	2.77	0.01	1.18%
CD.E1.R5	2.73	2.74	0.01	1.15%
CD.E1.R10	2.66	2.67	0.01	1.08%
CD.E1.R20	2.53	2.54	0.01	0.94%
CD.E1.R30	2.34	2.35	0.01	0.75%
CD.E1.R40	2.23	2.23	0.01	0.63%
CD.E1.R50	2.13	2.14	0.01	0.53%
CD.E1.R60	2.07	2.07	0.00	0.46%
CD.E1.R70	2.02	2.02	0.00	0.41%
CD.E1.R80	1.98	1.98	0.00	0.36%
CD.E1.R90	1.94	1.95	0.00	0.33%
CD.E1.R100	1.91	1.92	0.00	0.30%
CD.E1.R110	1.89	1.89	0.00	0.27%
CD.E1.R120	1.87	1.87	0.00	0.25%
CD.E1.R130	1.85	1.86	0.00	0.23%
CD.E1.R140	1.84	1.84	0.00	0.22%
CD.E1.R150	1.83	1.83	0.00	0.21%
CD.E1.R160	1.81	1.82	0.00	0.19%
CD.E1.R170	1.80	1.80	0.00	0.18%
CD.E1.R180	1.79	1.80	0.00	0.17%
CD.E1.R190	1.78	1.79	0.00	0.16%
CD.E1.R200	1.78	1.78	0.00	0.15%

Table 8h.24: Predicted 2028 Total Acid Deposition (March Covert Ancient Woodland)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
CD.E1.R0	2.39	2.39	0.00	1.3%
CD.E1.R2	2.37	2.37	0.00	1.2%
CD.E1.R5	2.36	2.36	0.00	1.1%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
CD.E1.R10	2.34	2.35	0.00	1.1%
CD.E1.R20	2.31	2.31	0.00	1.0%
CD.E1.R30	2.27	2.27	0.00	0.8%
CD.E1.R40	2.24	2.24	0.00	0.6%
CD.E1.R50	2.21	2.21	0.00	0.6%
CD.E1.R60	2.19	2.20	0.00	0.5%
CD.E1.R70	2.18	2.18	0.00	0.4%
CD.E1.R80	2.17	2.17	0.00	0.4%
CD.E1.R90	2.16	2.16	0.00	0.4%
CD.E1.R100	2.15	2.15	0.00	0.3%
CD.E1.R110	2.15	2.15	0.00	0.2%
CD.E1.R120	2.14	2.14	0.00	0.2%
CD.E1.R130	2.14	2.14	0.00	0.3%
CD.E1.R140	2.13	2.13	0.00	0.3%
CD.E1.R150	2.13	2.13	0.00	0.2%
CD.E1.R160	2.13	2.13	0.00	0.2%
CD.E1.R170	2.12	2.12	0.00	0.2%
CD.E1.R180	2.12	2.12	0.00	0.2%
CD.E1.R190	2.12	2.12	0.00	0.2%
CD.E1.R200	2.12	2.12	0.00	0.1%

Table 8h.25: Predicted 2028 Total Nitrogen Deposition (March Covert Ancient Woodland)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
CD.E1.R0	41.41	41.54	0.13	1.3%
CD.E1.R2	40.58	40.70	0.12	1.2%
CD.E1.R5	40.19	40.31	0.12	1.2%
CD.E1.R10	39.49	39.60	0.11	1.1%
CD.E1.R20	38.05	38.15	0.10	1.0%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
CD.E1.R30	36.02	36.10	0.08	0.8%
CD.E1.R40	34.72	34.79	0.07	0.7%
CD.E1.R50	33.67	33.73	0.06	0.6%
CD.E1.R60	32.94	32.99	0.05	0.5%
CD.E1.R70	32.36	32.40	0.04	0.4%
CD.E1.R80	31.90	31.94	0.04	0.4%
CD.E1.R90	31.52	31.56	0.04	0.4%
CD.E1.R100	31.21	31.24	0.03	0.3%
CD.E1.R110	30.95	30.97	0.03	0.3%
CD.E1.R120	30.72	30.74	0.03	0.3%
CD.E1.R130	30.52	30.54	0.03	0.3%
CD.E1.R140	30.34	30.37	0.03	0.3%
CD.E1.R150	30.20	30.22	0.02	0.2%
CD.E1.R160	30.06	30.08	0.02	0.2%
CD.E1.R170	29.94	29.96	0.02	0.2%
CD.E1.R180	29.83	29.85	0.02	0.2%
CD.E1.R190	29.73	29.75	0.02	0.2%
CD.E1.R200	29.65	29.66	0.01	0.1%

**On-Site Veteran Trees and Off-Site Ancient Trees**

**Table 8h.26: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (On-Site Veteran Trees and Off-Site Ancient Trees)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (µg/m <sup>3</sup> ) PEC		
20002	20.34	22.56	2.22	7.4%
20008	11.13	11.13	0.00	0.0%
20009	11.08	11.08	0.00	0.0%
2000A	11.48	11.48	0.00	0.0%
2000B	11.11	11.11	0.00	0.0%
2000C	11.09	11.09	0.00	0.0%
2000D	11.15	11.15	0.00	0.0%
20012	11.14	11.14	0.00	0.0%
20013	11.02	11.02	0.00	0.0%

**Table 8h.27: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (On-Site Veteran Trees and Off-Site Ancient Trees)**

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 2a (µg/m <sup>3</sup> ) PC		
20002	2.19	2.76	0.56	0.8%
20008	0.22	0.22	0.00	0.0%
20009	0.17	0.17	0.00	0.0%
2000A	0.52	0.52	0.00	0.0%
2000B	0.20	0.20	0.00	0.0%
2000C	0.18	0.18	0.00	0.0%
2000D	0.24	0.24	0.00	0.0%
20012	0.23	0.23	0.00	0.0%
20013	0.12	0.12	0.00	0.0%

**Table 8h.28: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (On-Site Veteran Trees and Off-Site Ancient Trees)**

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
20002	1.99	2.08	0.09	8.86%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
20008	1.68	1.68	0.00	-0.03%
20009	1.68	1.68	0.00	-0.02%
2000A	1.73	1.73	0.00	-0.07%
2000B	1.68	1.68	0.00	-0.02%
2000C	1.68	1.68	0.00	-0.02%
2000D	1.69	1.69	0.00	-0.03%
20012	1.69	1.69	0.00	-0.03%
20013	1.67	1.67	0.00	-0.01%

Table 8h.29: Predicted 2028 Total Acid Deposition (On-Site Veteran Trees and Off-Site Ancient Trees)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 2a (keq / ha / year) PEC		
20002	2.17	2.19	0.02	10.7%
20008	2.08	2.08	0.00	0.0%
20009	2.08	2.08	0.00	0.0%
2000A	2.09	2.09	0.00	0.0%
2000B	2.08	2.08	0.00	0.0%
2000C	2.08	2.08	0.00	0.0%
2000D	2.08	2.08	0.00	0.0%
20012	2.08	2.08	0.00	0.0%
20013	2.08	2.08	0.00	0.0%

Table 8h.30: Predicted 2028 Total Nitrogen Deposition (On-Site Veteran Trees and Off-Site Ancient Trees)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
20002	32.07	33.04	0.97	9.7%
20008	28.51	28.51	0.00	0.0%
20009	28.45	28.45	0.00	0.0%
2000A	28.94	28.93	-0.01	-0.1%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 2a (kg N / ha / year) PEC		
2000B	28.50	28.50	0.00	0.0%
2000C	28.46	28.46	0.00	0.0%
2000D	28.55	28.55	-0.01	0.0%
20012	28.52	28.52	0.00	0.0%
20013	28.38	28.38	0.00	0.0%

## Oakley Wood SSSI

Table 8h.31: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Oakley Wood SSSI)

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
MN.E1.R0	33.73	34.17	0.44	1.5%
MN.E1.R2	32.54	32.97	0.42	1.4%
MN.E1.R5	30.97	31.37	0.40	1.3%
MN.E1.R10	28.79	29.15	0.36	1.2%
MN.E1.R20	25.49	25.79	0.30	1.0%
MN.E1.R30	23.12	23.38	0.26	0.9%
MN.E1.R40	21.34	21.57	0.23	0.8%
MN.E1.R50	19.94	20.14	0.21	0.7%
MN.E1.R60	18.81	19.00	0.19	0.6%
MN.E1.R70	17.88	18.05	0.17	0.6%
MN.E1.R80	17.10	17.25	0.15	0.5%
MN.E1.R90	16.43	16.58	0.14	0.5%
MN.E1.R100	15.86	15.99	0.13	0.4%
MN.E1.R110	15.36	15.48	0.12	0.4%
MN.E1.R120	14.91	15.03	0.11	0.4%
MN.E1.R130	14.52	14.63	0.11	0.4%
MN.E1.R140	14.17	14.27	0.10	0.3%
MN.E1.R150	13.86	13.95	0.09	0.3%
MN.E1.R160	13.58	13.66	0.09	0.3%
MN.E1.R170	13.32	13.40	0.08	0.3%
MN.E1.R180	13.09	13.17	0.08	0.3%
MN.E1.R190	12.88	12.95	0.08	0.3%
MN.E1.R200	12.68	12.75	0.07	0.2%

Table 8h.32: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Oakley Wood SSSI)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 2b (µg/m <sup>3</sup> ) PC		
MN.E1.R0	16.20	16.49	0.29	0.4%
MN.E1.R2	15.43	15.71	0.28	0.4%
MN.E1.R5	14.41	14.67	0.26	0.3%
MN.E1.R10	12.98	13.22	0.23	0.3%
MN.E1.R20	10.83	11.03	0.20	0.3%
MN.E1.R30	9.29	9.46	0.17	0.2%
MN.E1.R40	8.13	8.28	0.15	0.2%
MN.E1.R50	7.22	7.35	0.13	0.2%
MN.E1.R60	6.49	6.61	0.12	0.2%
MN.E1.R70	5.88	5.99	0.11	0.1%
MN.E1.R80	5.37	5.47	0.10	0.1%
MN.E1.R90	4.93	5.03	0.09	0.1%
MN.E1.R100	4.56	4.65	0.09	0.1%
MN.E1.R110	4.23	4.31	0.08	0.1%
MN.E1.R120	3.94	4.02	0.07	0.1%
MN.E1.R130	3.69	3.76	0.07	0.1%
MN.E1.R140	3.46	3.53	0.07	0.1%
MN.E1.R150	3.25	3.32	0.06	0.1%
MN.E1.R160	3.07	3.13	0.06	0.1%
MN.E1.R170	2.90	2.96	0.06	0.1%
MN.E1.R180	2.76	2.81	0.05	0.1%
MN.E1.R190	2.62	2.67	0.05	0.1%
MN.E1.R200	2.49	2.54	0.05	0.1%

Table 8h.33: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Oakley Wood SSSI)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
MN.E1.R0	3.96	4.02	0.06	6.04%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
MN.E1.R2	3.85	3.91	0.06	5.75%
MN.E1.R5	3.70	3.75	0.05	5.37%
MN.E1.R10	3.49	3.54	0.05	4.84%
MN.E1.R20	3.17	3.21	0.04	4.04%
MN.E1.R30	2.95	2.98	0.03	3.46%
MN.E1.R40	2.78	2.81	0.03	3.03%
MN.E1.R50	2.65	2.68	0.03	2.69%
MN.E1.R60	2.54	2.57	0.02	2.42%
MN.E1.R70	2.45	2.48	0.02	2.19%
MN.E1.R80	2.38	2.40	0.02	2.00%
MN.E1.R90	2.32	2.34	0.02	1.84%
MN.E1.R100	2.27	2.28	0.02	1.70%
MN.E1.R110	2.22	2.23	0.02	1.58%
MN.E1.R120	2.18	2.19	0.01	1.47%
MN.E1.R130	2.14	2.15	0.01	1.37%
MN.E1.R140	2.11	2.12	0.01	1.29%
MN.E1.R150	2.08	2.09	0.01	1.21%
MN.E1.R160	2.05	2.06	0.01	1.14%
MN.E1.R170	2.03	2.04	0.01	1.08%
MN.E1.R180	2.01	2.02	0.01	1.03%
MN.E1.R190	1.99	2.00	0.01	0.98%
MN.E1.R200	1.97	1.98	0.01	0.93%

Table 8h.34: Predicted 2028 Total Acid Deposition (Oakley Wood SSSI)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 2b (keq / ha / year) PEC		
MN.E1.R0	2.38	2.39	0.01	2.4%
MN.E1.R2	2.37	2.38	0.00	2.3%
MN.E1.R5	2.35	2.36	0.00	2.2%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 2b (keq / ha / year) PEC		
MN.E1.R10	2.33	2.34	0.00	2.0%
MN.E1.R20	2.29	2.30	0.00	1.6%
MN.E1.R30	2.27	2.27	0.00	1.5%
MN.E1.R40	2.25	2.25	0.00	1.3%
MN.E1.R50	2.23	2.23	0.00	1.2%
MN.E1.R60	2.22	2.22	0.00	1.0%
MN.E1.R70	2.21	2.21	0.00	1.0%
MN.E1.R80	2.20	2.20	0.00	1.0%
MN.E1.R90	2.19	2.19	0.00	0.8%
MN.E1.R100	2.18	2.19	0.00	0.8%
MN.E1.R110	2.18	2.18	0.00	0.7%
MN.E1.R120	2.17	2.17	0.00	0.6%
MN.E1.R130	2.17	2.17	0.00	0.6%
MN.E1.R140	2.16	2.17	0.00	0.6%
MN.E1.R150	2.16	2.16	0.00	0.5%
MN.E1.R160	2.16	2.16	0.00	0.5%
MN.E1.R170	2.15	2.15	0.00	0.6%
MN.E1.R180	2.15	2.15	0.00	0.5%
MN.E1.R190	2.15	2.15	0.00	0.5%
MN.E1.R200	2.15	2.15	0.00	0.5%

Table 8h.35: Predicted 2028 Total Nitrogen Deposition (Oakley Wood SSSI)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
MN.E1.R0	49.78	50.31	0.53	3.5%
MN.E1.R2	48.75	49.25	0.50	3.3%
MN.E1.R5	47.38	47.85	0.47	3.1%
MN.E1.R10	45.48	45.90	0.42	2.8%
MN.E1.R20	42.60	42.95	0.35	2.4%
MN.E1.R30	40.53	40.84	0.30	2.0%
MN.E1.R40	38.98	39.25	0.27	1.8%
MN.E1.R50	37.76	38.00	0.24	1.6%
MN.E1.R60	36.79	37.00	0.21	1.4%
MN.E1.R70	35.98	36.17	0.19	1.3%
MN.E1.R80	35.29	35.47	0.18	1.2%
MN.E1.R90	34.72	34.88	0.16	1.1%
MN.E1.R100	34.22	34.37	0.15	1.0%
MN.E1.R110	33.79	33.93	0.14	0.9%
MN.E1.R120	33.40	33.53	0.13	0.9%
MN.E1.R130	33.06	33.18	0.12	0.8%
MN.E1.R140	32.76	32.88	0.11	0.8%
MN.E1.R150	32.49	32.60	0.11	0.7%
MN.E1.R160	32.25	32.35	0.10	0.7%
MN.E1.R170	32.03	32.13	0.10	0.7%
MN.E1.R180	31.84	31.93	0.09	0.6%
MN.E1.R190	31.66	31.74	0.09	0.6%
MN.E1.R200	31.49	31.57	0.08	0.6%

**Tonge Gorse Ancient & Semi Natural Woodland**

**Table 8h.36: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Tonge Gorse)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	34.23	35.71	1.48	4.9%
AB.E2.R2	33.99	35.43	1.44	4.8%
AB.E2.R5	33.53	34.91	1.37	4.6%
AB.E2.R10	32.59	33.87	1.28	4.3%
AB.E2.R20	30.53	31.68	1.15	3.8%
AB.E2.R30	28.72	29.79	1.07	3.6%
AB.E2.R40	27.28	28.32	1.05	3.5%
AB.E2.R50	26.34	27.42	1.09	3.6%
AB.E2.R60	26.17	27.43	1.25	4.2%
AB.E3.R0	22.73	23.93	1.20	4.0%
AB.E3.R2	22.11	23.21	1.11	3.7%
AB.E3.R5	21.35	22.34	0.99	3.3%
AB.E3.R10	20.38	21.22	0.84	2.8%
AB.E3.R20	19.04	19.70	0.66	2.2%
AB.E3.R30	18.13	18.68	0.55	1.8%
AB.E3.R40	17.44	17.92	0.47	1.6%
AB.E3.R50	16.89	17.31	0.42	1.4%
AB.E3.R60	16.43	16.80	0.37	1.2%
AB.E3.R70	16.03	16.37	0.34	1.1%
AB.E3.R80	15.68	15.99	0.31	1.0%
AB.E3.R90	15.36	15.66	0.29	1.0%
AB.E3.R100	15.08	15.36	0.27	0.9%
AB.E3.R110	14.83	15.08	0.26	0.9%
AB.E3.R120	14.59	14.83	0.24	0.8%
AB.E3.R130	14.37	14.60	0.23	0.8%
AB.E3.R140	14.17	14.39	0.22	0.7%

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
AB.E3.R150	13.98	14.19	0.21	0.7%
AB.E3.R160	13.80	14.00	0.20	0.7%
AB.E3.R170	13.63	13.82	0.19	0.6%
AB.E3.R180	13.48	13.66	0.18	0.6%
AB.E3.R190	13.33	13.51	0.17	0.6%
AB.E3.R200	13.19	13.36	0.17	0.6%

Table 8h.37: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Tonge Gorse)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 2b (µg/m <sup>3</sup> ) PC		
AB.E2.R0	6.51	6.93	0.41	0.6%
AB.E2.R2	6.45	6.85	0.40	0.5%
AB.E2.R5	6.33	6.72	0.38	0.5%
AB.E2.R10	6.09	6.45	0.36	0.5%
AB.E2.R20	5.56	5.88	0.32	0.4%
AB.E2.R30	5.09	5.39	0.29	0.4%
AB.E2.R40	4.72	5.01	0.28	0.4%
AB.E2.R50	4.48	4.77	0.29	0.4%
AB.E2.R60	4.44	4.77	0.33	0.4%
AB.E3.R0	3.55	3.86	0.31	0.4%
AB.E3.R2	3.39	3.68	0.29	0.4%
AB.E3.R5	3.20	3.46	0.26	0.3%
AB.E3.R10	2.95	3.17	0.22	0.3%
AB.E3.R20	2.60	2.78	0.17	0.2%
AB.E3.R30	2.37	2.51	0.14	0.2%
AB.E3.R40	2.19	2.32	0.12	0.2%
AB.E3.R50	2.05	2.16	0.11	0.1%
AB.E3.R60	1.93	2.03	0.10	0.1%
AB.E3.R70	1.83	1.92	0.09	0.1%

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 2b (µg/m <sup>3</sup> ) PC		
AB.E3.R80	1.74	1.82	0.08	0.1%
AB.E3.R90	1.66	1.73	0.08	0.1%
AB.E3.R100	1.59	1.66	0.07	0.1%
AB.E3.R110	1.52	1.59	0.07	0.1%
AB.E3.R120	1.46	1.52	0.06	0.1%
AB.E3.R130	1.40	1.46	0.06	0.1%
AB.E3.R140	1.35	1.41	0.06	0.1%
AB.E3.R150	1.30	1.36	0.06	0.1%
AB.E3.R160	1.26	1.31	0.05	0.1%
AB.E3.R170	1.21	1.26	0.05	0.1%
AB.E3.R180	1.17	1.22	0.05	0.1%
AB.E3.R190	1.13	1.18	0.05	0.1%
AB.E3.R200	1.10	1.14	0.04	0.1%

Table 8h.38: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Tonge Gorse)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	2.52	2.59	0.07	7.27%
AB.E2.R2	2.51	2.58	0.07	7.06%
AB.E2.R5	2.49	2.56	0.07	6.75%
AB.E2.R10	2.46	2.53	0.06	6.22%
AB.E2.R20	2.40	2.46	0.05	5.34%
AB.E2.R30	2.35	2.40	0.05	4.90%
AB.E2.R40	2.30	2.35	0.05	4.84%
AB.E2.R50	2.29	2.34	0.05	5.19%
AB.E2.R60	2.30	2.37	0.06	6.27%
AB.E3.R0	2.21	2.28	0.06	6.13%
AB.E3.R2	2.18	2.24	0.06	5.58%
AB.E3.R5	2.14	2.19	0.05	4.93%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
AB.E3.R10	2.10	2.14	0.04	4.14%
AB.E3.R20	2.03	2.06	0.03	3.16%
AB.E3.R30	1.99	2.01	0.03	2.56%
AB.E3.R40	1.96	1.98	0.02	2.16%
AB.E3.R50	1.93	1.95	0.02	1.88%
AB.E3.R60	1.91	1.93	0.02	1.67%
AB.E3.R70	1.90	1.91	0.02	1.50%
AB.E3.R80	1.88	1.90	0.01	1.37%
AB.E3.R90	1.87	1.88	0.01	1.26%
AB.E3.R100	1.86	1.87	0.01	1.17%
AB.E3.R110	1.85	1.86	0.01	1.09%
AB.E3.R120	1.84	1.85	0.01	1.02%
AB.E3.R130	1.84	1.85	0.01	0.96%
AB.E3.R140	1.83	1.84	0.01	0.91%
AB.E3.R150	1.82	1.83	0.01	0.86%
AB.E3.R160	1.82	1.82	0.01	0.82%
AB.E3.R170	1.81	1.82	0.01	0.78%
AB.E3.R180	1.80	1.81	0.01	0.74%
AB.E3.R190	1.80	1.81	0.01	0.71%
AB.E3.R200	1.79	1.80	0.01	0.68%

Table 8h.39: Predicted 2028 Total Acid Deposition (Tonge Gorse)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 2b (keq / ha / year) PEC		
AB.E2.R0	2.34	2.35	0.01	6.7%
AB.E2.R2	2.34	2.35	0.01	6.5%
AB.E2.R5	2.33	2.34	0.01	6.2%
AB.E2.R10	2.32	2.33	0.01	5.9%
AB.E2.R20	2.30	2.31	0.01	5.2%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 2b (keq / ha / year) PEC		
AB.E2.R30	2.29	2.30	0.01	4.9%
AB.E2.R40	2.27	2.28	0.01	4.9%
AB.E2.R50	2.26	2.27	0.01	5.1%
AB.E2.R60	2.26	2.27	0.01	6.0%
AB.E3.R0	2.23	2.24	0.01	5.9%
AB.E3.R2	2.22	2.23	0.01	5.4%
AB.E3.R5	2.21	2.22	0.01	4.8%
AB.E3.R10	2.20	2.21	0.01	4.1%
AB.E3.R20	2.19	2.20	0.01	3.3%
AB.E3.R30	2.18	2.18	0.01	2.7%
AB.E3.R40	2.17	2.18	0.00	2.3%
AB.E3.R50	2.17	2.17	0.00	2.0%
AB.E3.R60	2.16	2.16	0.00	1.9%
AB.E3.R70	2.16	2.16	0.00	1.8%
AB.E3.R80	2.15	2.16	0.00	1.6%
AB.E3.R90	2.15	2.15	0.00	1.5%
AB.E3.R100	2.15	2.15	0.00	1.4%
AB.E3.R110	2.14	2.15	0.00	1.3%
AB.E3.R120	2.14	2.14	0.00	1.2%
AB.E3.R130	2.14	2.14	0.00	1.1%
AB.E3.R140	2.14	2.14	0.00	1.1%
AB.E3.R150	2.13	2.14	0.00	1.0%
AB.E3.R160	2.13	2.13	0.00	1.0%
AB.E3.R170	2.13	2.13	0.00	0.9%
AB.E3.R180	2.13	2.13	0.00	0.8%
AB.E3.R190	2.13	2.13	0.00	0.9%
AB.E3.R200	2.13	2.13	0.00	0.8%

Table 8h.40: Predicted 2028 Total Nitrogen Deposition (Tonge Gorse)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
AB.E2.R0	38.34	39.09	0.75	7.5%
AB.E2.R2	38.24	38.97	0.73	7.3%
AB.E2.R5	38.06	38.76	0.69	6.9%
AB.E2.R10	37.70	38.35	0.64	6.4%
AB.E2.R20	36.97	37.52	0.56	5.6%
AB.E2.R30	36.31	36.82	0.51	5.1%
AB.E2.R40	35.80	36.31	0.51	5.1%
AB.E2.R50	35.52	36.07	0.54	5.4%
AB.E2.R60	35.65	36.30	0.65	6.5%
AB.E3.R0	34.50	35.14	0.64	6.4%
AB.E3.R2	34.17	34.75	0.58	5.8%
AB.E3.R5	33.77	34.29	0.51	5.1%
AB.E3.R10	33.26	33.70	0.44	4.4%
AB.E3.R20	32.58	32.91	0.34	3.4%
AB.E3.R30	32.12	32.39	0.27	2.7%
AB.E3.R40	31.79	32.02	0.23	2.3%
AB.E3.R50	31.53	31.73	0.20	2.0%
AB.E3.R60	31.31	31.49	0.18	1.8%
AB.E3.R70	31.13	31.30	0.17	1.7%
AB.E3.R80	30.98	31.13	0.15	1.5%
AB.E3.R90	30.84	30.98	0.14	1.4%
AB.E3.R100	30.72	30.85	0.13	1.3%
AB.E3.R110	30.61	30.73	0.12	1.2%
AB.E3.R120	30.51	30.63	0.11	1.1%
AB.E3.R130	30.42	30.53	0.11	1.1%
AB.E3.R140	30.34	30.44	0.10	1.0%
AB.E3.R150	30.26	30.36	0.10	1.0%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
AB.E3.R160	30.18	30.28	0.09	0.9%
AB.E3.R170	30.12	30.20	0.09	0.9%
AB.E3.R180	30.05	30.13	0.08	0.8%
AB.E3.R190	29.99	30.07	0.08	0.8%
AB.E3.R200	29.94	30.01	0.08	0.8%

**Lount Meadows SSSI**

**Table 8h.41: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Lount Meadows SSSI)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
TK.E3.R0	39.82	40.57	0.75	2.5%
TK.E3.R2	38.18	38.89	0.71	2.4%
TK.E3.R5	36.00	36.66	0.66	2.2%
TK.E3.R10	33.01	33.60	0.59	2.0%
TK.E3.R20	28.57	29.05	0.48	1.6%
TK.E3.R30	25.44	25.84	0.40	1.3%
TK.E3.R40	23.10	23.45	0.35	1.2%
TK.E3.R50	21.28	21.58	0.31	1.0%
TK.E3.R60	19.82	20.09	0.27	0.9%
TK.E3.R70	18.62	18.86	0.24	0.8%
TK.E3.R80	17.62	17.84	0.22	0.7%
TK.E3.R90	16.78	16.98	0.20	0.7%
TK.E3.R100	16.05	16.23	0.18	0.6%
TK.E3.R110	15.43	15.59	0.17	0.6%
TK.E3.R120	14.88	15.03	0.15	0.5%
TK.E3.R130	14.40	14.54	0.14	0.5%
TK.E3.R140	13.97	14.11	0.13	0.4%
TK.E3.R150	13.60	13.72	0.12	0.4%

**Table 8h.42: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Lount Meadows SSSI)**

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 2b (µg/m <sup>3</sup> ) PC		
TK.E3.R0	8.03	8.22	0.19	0.3%
TK.E3.R2	7.61	7.79	0.18	0.2%
TK.E3.R5	7.06	7.22	0.17	0.2%
TK.E3.R10	6.29	6.44	0.15	0.2%

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 2b (µg/m <sup>3</sup> ) PC		
TK.E3.R20	5.16	5.29	0.12	0.2%
TK.E3.R30	4.37	4.47	0.10	0.1%
TK.E3.R40	3.77	3.86	0.09	0.1%
TK.E3.R50	3.31	3.38	0.08	0.1%
TK.E3.R60	2.93	3.00	0.07	0.1%
TK.E3.R70	2.63	2.69	0.06	0.1%
TK.E3.R80	2.38	2.43	0.06	0.1%
TK.E3.R90	2.16	2.21	0.05	0.1%
TK.E3.R100	1.98	2.02	0.05	0.1%
TK.E3.R110	1.82	1.86	0.04	0.1%
TK.E3.R120	1.68	1.72	0.04	0.1%
TK.E3.R130	1.55	1.59	0.04	0.0%
TK.E3.R140	1.45	1.48	0.03	0.0%
TK.E3.R150	1.35	1.38	0.03	0.0%

Table 8h.43: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
TK.E3.R0	2.98	3.02	0.04	1.42%
TK.E3.R2	2.92	2.96	0.04	1.34%
TK.E3.R5	2.84	2.88	0.04	1.24%
TK.E3.R10	2.73	2.77	0.03	1.10%
TK.E3.R20	2.58	2.60	0.03	0.89%
TK.E3.R30	2.47	2.49	0.02	0.75%
TK.E3.R40	2.38	2.40	0.02	0.64%
TK.E3.R50	2.32	2.34	0.02	0.56%
TK.E3.R60	2.27	2.28	0.01	0.50%
TK.E3.R70	2.23	2.24	0.01	0.44%
TK.E3.R80	2.19	2.20	0.01	0.40%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
TK.E3.R90	2.16	2.17	0.01	0.36%
TK.E3.R100	2.14	2.15	0.01	0.33%
TK.E3.R110	2.12	2.12	0.01	0.30%
TK.E3.R120	2.10	2.10	0.01	0.28%
TK.E3.R130	2.08	2.09	0.01	0.26%
TK.E3.R140	2.07	2.07	0.01	0.24%
TK.E3.R150	2.05	2.06	0.01	0.22%

Table 8h.44: Predicted 2028 Total Acid Deposition (Lount Meadows SSSI)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 1b (With Development) (keq / ha / year) PEC		
TK.E3.R0	2.30	2.30	0.01	0.6%
TK.E3.R2	2.29	2.30	0.01	0.6%
TK.E3.R5	2.28	2.29	0.00	0.6%
TK.E3.R10	2.27	2.27	0.00	0.5%
TK.E3.R20	2.25	2.25	0.00	0.4%
TK.E3.R30	2.23	2.23	0.00	0.4%
TK.E3.R40	2.22	2.22	0.00	0.3%
TK.E3.R50	2.21	2.21	0.00	0.3%
TK.E3.R60	2.20	2.20	0.00	0.2%
TK.E3.R70	2.20	2.20	0.00	0.2%
TK.E3.R80	2.19	2.19	0.00	0.2%
TK.E3.R90	2.19	2.19	0.00	0.2%
TK.E3.R100	2.18	2.18	0.00	0.2%
TK.E3.R110	2.18	2.18	0.00	0.2%
TK.E3.R120	2.18	2.18	0.00	0.1%
TK.E3.R130	2.17	2.17	0.00	0.1%
TK.E3.R140	2.17	2.17	0.00	0.1%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 1b (With Development) (keq / ha / year) PEC		
TK.E3.R150	2.17	2.17	0.00	0.1%

Table 8h.45: Predicted 2028 Total Nitrogen Deposition (Lount Meadows SSSI)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
TK.E3.R0	37.43	37.73	0.29	2.9%
TK.E3.R2	37.03	37.31	0.28	2.8%
TK.E3.R5	36.50	36.76	0.25	2.5%
TK.E3.R10	35.77	36.00	0.23	2.3%
TK.E3.R20	34.68	34.86	0.19	1.9%
TK.E3.R30	33.90	34.06	0.16	1.6%
TK.E3.R40	33.32	33.46	0.13	1.3%
TK.E3.R50	32.87	32.99	0.12	1.2%
TK.E3.R60	32.51	32.61	0.10	1.0%
TK.E3.R70	32.21	32.30	0.09	0.9%
TK.E3.R80	31.96	32.04	0.08	0.8%
TK.E3.R90	31.75	31.82	0.08	0.8%
TK.E3.R100	31.57	31.64	0.07	0.7%
TK.E3.R110	31.41	31.47	0.06	0.6%
TK.E3.R120	31.27	31.33	0.06	0.6%
TK.E3.R130	31.15	31.21	0.05	0.5%
TK.E3.R140	31.05	31.10	0.05	0.5%
TK.E3.R150	30.95	31.00	0.05	0.5%

**Breedon Cloud Wood and Quarry**

**Table 8h.46: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Breedon and Cloud Wood Quarry)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
TK.E4.R0	16.40	17.36	0.97	3.2%
TK.E4.R2	15.48	16.35	0.87	2.9%
TK.E4.R5	14.45	15.21	0.76	2.5%
TK.E4.R10	13.28	13.91	0.63	2.1%
TK.E4.R20	11.89	12.36	0.47	1.6%
TK.E4.R30	11.09	11.47	0.37	1.2%
TK.E4.R40	10.57	10.88	0.31	1.0%
TK.E4.R50	10.20	10.47	0.26	0.9%
TK.E4.R60	9.93	10.16	0.23	0.8%
TK.E4.R70	9.72	9.92	0.20	0.7%
TK.E4.R80	9.56	9.74	0.18	0.6%
TK.E4.R90	9.42	9.59	0.16	0.5%
TK.E4.R100	9.31	9.46	0.15	0.5%
TK.E4.R110	9.22	9.35	0.13	0.4%
TK.E4.R120	9.14	9.26	0.12	0.4%
TK.E4.R130	9.07	9.19	0.11	0.4%
TK.E4.R140	9.01	9.12	0.11	0.4%
TK.E4.R150	8.96	9.06	0.10	0.3%
TK.E4.R160	8.91	9.00	0.09	0.3%
TK.E4.R170	8.87	8.95	0.09	0.3%
TK.E4.R180	8.83	8.91	0.08	0.3%
TK.E4.R190	8.80	8.88	0.08	0.3%
TK.E4.R200	8.77	8.84	0.07	0.2%

**Table 8h.47: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Breedon and Cloud Wood Quarry)**

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 2b (µg/m <sup>3</sup> ) PC		
TK.E4.R0	2.17	2.41	0.25	0.3%
TK.E4.R2	1.93	2.15	0.22	0.3%
TK.E4.R5	1.67	1.86	0.19	0.3%
TK.E4.R10	1.37	1.53	0.16	0.2%
TK.E4.R20	1.02	1.14	0.12	0.2%
TK.E4.R30	0.82	0.91	0.09	0.1%
TK.E4.R40	0.69	0.76	0.08	0.1%
TK.E4.R50	0.59	0.66	0.07	0.1%
TK.E4.R60	0.52	0.58	0.06	0.1%
TK.E4.R70	0.47	0.52	0.05	0.1%
TK.E4.R80	0.43	0.47	0.05	0.1%
TK.E4.R90	0.39	0.43	0.04	0.1%
TK.E4.R100	0.37	0.40	0.04	0.1%
TK.E4.R110	0.34	0.38	0.03	0.0%
TK.E4.R120	0.32	0.35	0.03	0.0%
TK.E4.R130	0.30	0.33	0.03	0.0%
TK.E4.R140	0.29	0.32	0.03	0.0%
TK.E4.R150	0.28	0.30	0.03	0.0%
TK.E4.R160	0.26	0.29	0.02	0.0%
TK.E4.R170	0.25	0.27	0.02	0.0%
TK.E4.R180	0.24	0.26	0.02	0.0%
TK.E4.R190	0.23	0.25	0.02	0.0%
TK.E4.R200	0.23	0.25	0.02	0.0%

**Table 8h.48: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Breedon and Cloud Wood Quarry)**

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
TK.E4.R0	2.05	2.09	0.04	3.96%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
TK.E4.R2	2.01	2.05	0.04	3.58%
TK.E4.R5	1.97	2.01	0.03	3.14%
TK.E4.R10	1.93	1.95	0.03	2.61%
TK.E4.R20	1.87	1.89	0.02	1.96%
TK.E4.R30	1.84	1.85	0.02	1.56%
TK.E4.R40	1.82	1.83	0.01	1.28%
TK.E4.R50	1.80	1.81	0.01	1.09%
TK.E4.R60	1.79	1.80	0.01	0.94%
TK.E4.R70	1.78	1.79	0.01	0.83%
TK.E4.R80	1.78	1.78	0.01	0.74%
TK.E4.R90	1.77	1.78	0.01	0.66%
TK.E4.R100	1.77	1.77	0.01	0.60%
TK.E4.R110	1.76	1.77	0.01	0.55%
TK.E4.R120	1.76	1.76	0.01	0.51%
TK.E4.R130	1.76	1.76	0.00	0.47%
TK.E4.R140	1.75	1.76	0.00	0.44%
TK.E4.R150	1.75	1.76	0.00	0.41%
TK.E4.R160	1.75	1.75	0.00	0.38%
TK.E4.R170	1.75	1.75	0.00	0.36%
TK.E4.R180	1.75	1.75	0.00	0.34%
TK.E4.R190	1.74	1.75	0.00	0.32%
TK.E4.R200	1.74	1.75	0.00	0.30%

Table 8h.49: Predicted 2028 Total Acid Deposition (Breedon and Cloud Wood Quarry)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 2b (keq / ha / year) PEC		
TK.E4.R0	2.20	2.21	0.01	7.2%
TK.E4.R2	2.19	2.20	0.01	6.4%
TK.E4.R5	2.18	2.19	0.01	5.7%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 2b (keq / ha / year) PEC		
TK.E4.R10	2.17	2.18	0.01	4.7%
TK.E4.R20	2.15	2.16	0.01	3.6%
TK.E4.R30	2.15	2.15	0.00	2.8%
TK.E4.R40	2.14	2.14	0.00	2.4%
TK.E4.R50	2.14	2.14	0.00	2.0%
TK.E4.R60	2.13	2.14	0.00	1.7%
TK.E4.R70	2.13	2.13	0.00	1.6%
TK.E4.R80	2.13	2.13	0.00	1.4%
TK.E4.R90	2.13	2.13	0.00	1.3%
TK.E4.R100	2.13	2.13	0.00	1.1%
TK.E4.R110	2.12	2.13	0.00	1.1%
TK.E4.R120	2.12	2.13	0.00	0.9%
TK.E4.R130	2.12	2.12	0.00	0.8%
TK.E4.R140	2.12	2.12	0.00	0.8%
TK.E4.R150	2.12	2.12	0.00	0.8%
TK.E4.R160	2.12	2.12	0.00	0.6%
TK.E4.R170	2.12	2.12	0.00	0.6%
TK.E4.R180	2.12	2.12	0.00	0.6%
TK.E4.R190	2.12	2.12	0.00	0.6%
TK.E4.R200	2.12	2.12	0.00	0.5%

Table 8h.50: Predicted 2028 Total Nitrogen Deposition (Breedon and Cloud Wood Quarry)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
TK.E4.R0	32.29	32.73	0.44	2.9%
TK.E4.R2	31.88	32.27	0.40	2.6%
TK.E4.R5	31.42	31.77	0.35	2.3%
TK.E4.R10	30.89	31.18	0.29	1.9%
TK.E4.R20	30.26	30.48	0.22	1.5%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
TK.E4.R30	29.89	30.06	0.17	1.2%
TK.E4.R40	29.65	29.79	0.14	1.0%
TK.E4.R50	29.48	29.60	0.12	0.8%
TK.E4.R60	29.35	29.46	0.11	0.7%
TK.E4.R70	29.26	29.35	0.09	0.6%
TK.E4.R80	29.18	29.26	0.08	0.6%
TK.E4.R90	29.12	29.19	0.07	0.5%
TK.E4.R100	29.07	29.14	0.07	0.4%
TK.E4.R110	29.02	29.09	0.06	0.4%
TK.E4.R120	28.99	29.04	0.06	0.4%
TK.E4.R130	28.96	29.01	0.05	0.3%
TK.E4.R140	28.93	28.98	0.05	0.3%
TK.E4.R150	28.90	28.95	0.05	0.3%
TK.E4.R160	28.88	28.93	0.04	0.3%
TK.E4.R170	28.87	28.90	0.04	0.3%
TK.E4.R180	28.85	28.89	0.04	0.3%
TK.E4.R190	28.83	28.87	0.04	0.2%
TK.E4.R200	28.82	28.85	0.03	0.2%

**March Covert Ancient Woodland**

**Table 8h.51: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (March Covert Ancient Woodland)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
CD.E1.R0	45.64	46.28	0.64	2.1%
CD.E1.R2	43.60	44.20	0.60	2.0%
CD.E1.R5	40.95	41.50	0.54	1.8%
CD.E1.R10	37.47	37.94	0.47	1.6%
CD.E1.R20	32.58	32.96	0.37	1.2%
CD.E1.R30	29.48	29.79	0.31	1.0%
CD.E1.R40	26.98	27.24	0.26	0.9%
CD.E1.R50	25.23	25.45	0.23	0.8%
CD.E1.R60	23.86	24.06	0.20	0.7%
CD.E1.R70	22.77	22.94	0.18	0.6%
CD.E1.R80	21.88	22.04	0.16	0.5%
CD.E1.R90	21.13	21.28	0.14	0.5%
CD.E1.R100	20.51	20.64	0.13	0.4%
CD.E1.R110	19.97	20.09	0.12	0.4%
CD.E1.R120	19.50	19.61	0.11	0.4%
CD.E1.R130	19.09	19.20	0.10	0.3%
CD.E1.R140	18.74	18.83	0.09	0.3%
CD.E1.R150	18.42	18.51	0.09	0.3%
CD.E1.R160	18.13	18.22	0.08	0.3%
CD.E1.R170	17.88	17.96	0.08	0.3%
CD.E1.R180	17.65	17.72	0.07	0.2%
CD.E1.R190	17.44	17.51	0.07	0.2%
CD.E1.R200	17.25	17.32	0.06	0.2%

**Table 8h.52: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (March Covert Ancient Woodland)**

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 2b (µg/m <sup>3</sup> ) PC		
CD.E1.R0	8.93	9.11	0.18	0.2%
CD.E1.R2	8.36	8.53	0.17	0.2%
CD.E1.R5	7.61	7.76	0.15	0.2%
CD.E1.R10	6.62	6.76	0.13	0.2%
CD.E1.R20	5.24	5.35	0.11	0.1%
CD.E1.R30	4.37	4.45	0.09	0.1%
CD.E1.R40	3.66	3.73	0.07	0.1%
CD.E1.R50	3.17	3.23	0.06	0.1%
CD.E1.R60	2.78	2.83	0.06	0.1%
CD.E1.R70	2.47	2.52	0.05	0.1%
CD.E1.R80	2.22	2.26	0.04	0.1%
CD.E1.R90	2.01	2.05	0.04	0.1%
CD.E1.R100	1.83	1.87	0.04	0.0%
CD.E1.R110	1.68	1.71	0.03	0.0%
CD.E1.R120	1.55	1.58	0.03	0.0%
CD.E1.R130	1.43	1.46	0.03	0.0%
CD.E1.R140	1.33	1.36	0.03	0.0%
CD.E1.R150	1.24	1.27	0.02	0.0%
CD.E1.R160	1.16	1.18	0.02	0.0%
CD.E1.R170	1.09	1.11	0.02	0.0%
CD.E1.R180	1.02	1.04	0.02	0.0%
CD.E1.R190	0.97	0.98	0.02	0.0%
CD.E1.R200	0.91	0.93	0.02	0.0%

**Table 8h.53: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (March Covert Ancient Woodland)**

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
CD.E1.R0	2.83	2.85	0.02	1.88%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
CD.E1.R2	2.75	2.77	0.02	1.76%
CD.E1.R5	2.65	2.67	0.02	1.61%
CD.E1.R10	2.52	2.54	0.01	1.40%
CD.E1.R20	2.34	2.35	0.01	1.11%
CD.E1.R30	2.22	2.23	0.01	0.93%
CD.E1.R40	2.13	2.14	0.01	0.78%
CD.E1.R50	2.06	2.07	0.01	0.68%
CD.E1.R60	2.01	2.02	0.01	0.60%
CD.E1.R70	1.97	1.98	0.01	0.53%
CD.E1.R80	1.94	1.94	0.00	0.48%
CD.E1.R90	1.91	1.92	0.00	0.44%
CD.E1.R100	1.89	1.89	0.00	0.40%
CD.E1.R110	1.87	1.87	0.00	0.37%
CD.E1.R120	1.85	1.85	0.00	0.34%
CD.E1.R130	1.84	1.84	0.00	0.32%
CD.E1.R140	1.82	1.83	0.00	0.30%
CD.E1.R150	1.81	1.81	0.00	0.28%
CD.E1.R160	1.80	1.80	0.00	0.26%
CD.E1.R170	1.79	1.79	0.00	0.25%
CD.E1.R180	1.78	1.79	0.00	0.23%
CD.E1.R190	1.78	1.78	0.00	0.22%
CD.E1.R200	1.77	1.77	0.00	0.21%

Table 8h.54: Predicted 2028 Total Acid Deposition (March Covert Ancient Woodland)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 2b (keq / ha / year) PEC		
CD.E1.R0	2.39	2.39	0.01	2.6%
CD.E1.R2	2.37	2.38	0.01	2.5%
CD.E1.R5	2.35	2.35	0.00	2.3%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 2b (keq / ha / year) PEC		
CD.E1.R10	2.31	2.32	0.00	2.1%
CD.E1.R20	2.27	2.27	0.00	1.7%
CD.E1.R30	2.24	2.24	0.00	1.4%
CD.E1.R40	2.21	2.22	0.00	1.1%
CD.E1.R50	2.20	2.20	0.00	1.0%
CD.E1.R60	2.18	2.18	0.00	0.9%
CD.E1.R70	2.17	2.17	0.00	0.8%
CD.E1.R80	2.16	2.16	0.00	0.7%
CD.E1.R90	2.15	2.16	0.00	0.7%
CD.E1.R100	2.15	2.15	0.00	0.6%
CD.E1.R110	2.14	2.14	0.00	0.5%
CD.E1.R120	2.14	2.14	0.00	0.5%
CD.E1.R130	2.13	2.13	0.00	0.4%
CD.E1.R140	2.13	2.13	0.00	0.4%
CD.E1.R150	2.13	2.13	0.00	0.4%
CD.E1.R160	2.12	2.12	0.00	0.4%
CD.E1.R170	2.12	2.12	0.00	0.4%
CD.E1.R180	2.12	2.12	0.00	0.4%
CD.E1.R190	2.12	2.12	0.00	0.4%
CD.E1.R200	2.11	2.11	0.00	0.3%

Table 8h.55: Predicted 2028 Total Nitrogen Deposition (March Covert Ancient Woodland)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
CD.E1.R0	41.40	41.62	0.22	2.2%
CD.E1.R2	40.57	40.78	0.21	2.1%
CD.E1.R5	39.49	39.68	0.19	1.9%
CD.E1.R10	38.05	38.22	0.17	1.7%
CD.E1.R20	36.02	36.16	0.14	1.4%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
CD.E1.R30	34.73	34.84	0.11	1.1%
CD.E1.R40	33.68	33.77	0.09	0.9%
CD.E1.R50	32.94	33.03	0.08	0.8%
CD.E1.R60	32.37	32.44	0.07	0.7%
CD.E1.R70	31.91	31.97	0.06	0.6%
CD.E1.R80	31.53	31.59	0.06	0.6%
CD.E1.R90	31.22	31.27	0.05	0.5%
CD.E1.R100	30.95	31.00	0.05	0.5%
CD.E1.R110	30.72	30.77	0.04	0.4%
CD.E1.R120	30.53	30.57	0.04	0.4%
CD.E1.R130	30.35	30.39	0.04	0.4%
CD.E1.R140	30.20	30.24	0.03	0.3%
CD.E1.R150	30.07	30.10	0.03	0.3%
CD.E1.R160	29.95	29.98	0.03	0.3%
CD.E1.R170	29.84	29.87	0.03	0.3%
CD.E1.R180	29.74	29.77	0.03	0.3%
CD.E1.R190	29.65	29.68	0.03	0.3%
CD.E1.R200	29.57	29.60	0.03	0.3%

**On-Site Veteran Trees and Off-Site Ancient Trees**

**Table 8h.56: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (On-Site Veteran Trees and Off-Site Ancient Trees)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (Without EMG2) (µg/m <sup>3</sup> ) PEC	2028 Stage 2a (With Development) (µg/m <sup>3</sup> ) PEC		
20002	20.13	22.35	2.23	7.4%
20008	11.09	11.14	0.05	0.2%
20009	11.05	11.07	0.03	0.1%
2000A	11.39	11.50	0.11	0.4%
2000B	11.08	11.10	0.02	0.1%
2000C	11.05	11.08	0.03	0.1%
2000D	11.11	11.14	0.02	0.1%
20012	11.10	11.15	0.05	0.2%
20013	11.00	11.01	0.01	0.0%

**Table 8h.57: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (On-Site Veteran Trees and Off-Site Ancient Trees)**

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 2b (µg/m <sup>3</sup> ) PC		
20002	2.14	2.70	0.57	0.8%
20008	0.19	0.23	0.04	0.1%
20009	0.15	0.17	0.02	0.0%
2000A	0.44	0.54	0.10	0.1%
2000B	0.17	0.19	0.02	0.0%
2000C	0.15	0.18	0.02	0.0%
2000D	0.20	0.22	0.02	0.0%
20012	0.20	0.23	0.04	0.1%
20013	0.10	0.12	0.01	0.0%

**Table 8h.58: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (On-Site Veteran Trees and Off-Site Ancient Trees)**

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 2b (µg/m <sup>3</sup> ) PEC		
20002	1.98	2.07	0.09	8.70%
20008	1.68	1.70	0.02	1.96%
20009	1.67	1.69	0.01	1.19%
2000A	1.72	1.77	0.05	4.72%
2000B	1.68	1.69	0.01	1.15%
2000C	1.67	1.69	0.01	1.29%
2000D	1.68	1.70	0.01	1.29%
20012	1.68	1.70	0.02	1.96%
20013	1.67	1.67	0.01	0.65%

**Table 8h.59: Predicted 2028 Total Acid Deposition (On-Site Veteran Trees and Off-Site Ancient Trees)**

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 2b (keq / ha / year) PEC		
20002	2.17	2.19	0.02	10.7%
20008	2.08	2.08	0.00	0.4%
20009	2.08	2.08	0.00	0.3%
2000A	2.09	2.09	0.00	1.0%
2000B	2.08	2.08	0.00	0.2%
2000C	2.08	2.08	0.00	0.2%
2000D	2.08	2.08	0.00	0.2%
20012	2.08	2.08	0.00	0.4%
20013	2.08	2.08	0.00	0.2%

**Table 8h.60: Predicted 2028 Total Nitrogen Deposition (On-Site Veteran Trees and Off-Site Ancient Trees)**

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
20002	31.97	32.94	0.98	9.8%
20008	28.46	28.62	0.16	1.6%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 2b (kg N / ha / year) PEC		
20009	28.41	28.51	0.10	1.0%
2000A	28.82	29.20	0.39	3.9%
2000B	28.45	28.54	0.09	0.9%
2000C	28.42	28.52	0.10	1.0%
2000D	28.50	28.60	0.10	1.0%
20012	28.47	28.63	0.16	1.6%
20013	28.35	28.41	0.05	0.5%

### Construction Traffic Assessment

The following tables present results from the assessment of the construction phase impacts with regards to air quality on identified ecological sites.

The results are presented first for the 2028 'A' scenarios for each sensitive site, followed by the 2028 'B' scenarios.

To note, the traffic data used to inform the 'Baseline' position when considering impacts arising as a result of construction phase traffic (1a and 1b, without construction), differs slightly from the traffic data used to inform the 'Baseline' position when considering impacts arising as a result of the **EMG2 Project**. Hence, the concentrations set out for the 1a and 1b scenarios (without construction) in the below tables may also differ slightly from the concentrations in the above tables .

**Oakley Wood SSSI**

**Table 8h.61: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Oakley Wood SSSI)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + With Construction Traffic (µg/m <sup>3</sup> ) PEC		
MN.E1.R0	35.09	35.25	0.16	0.5%
MN.E1.R2	33.84	33.99	0.15	0.5%
MN.E1.R5	32.18	32.32	0.14	0.5%
MN.E1.R10	29.86	29.99	0.12	0.4%
MN.E1.R20	26.38	26.48	0.10	0.3%
MN.E1.R30	23.88	23.97	0.09	0.3%
MN.E1.R40	22.00	22.08	0.08	0.3%
MN.E1.R50	20.52	20.59	0.07	0.2%
MN.E1.R60	19.34	19.40	0.06	0.2%
MN.E1.R70	18.36	18.41	0.06	0.2%
MN.E1.R80	17.53	17.58	0.05	0.2%
MN.E1.R90	16.83	16.88	0.05	0.2%
MN.E1.R100	16.23	16.27	0.04	0.1%
MN.E1.R110	15.70	15.74	0.04	0.1%
MN.E1.R120	15.23	15.27	0.04	0.1%
MN.E1.R130	14.82	14.85	0.04	0.1%
MN.E1.R140	14.45	14.48	0.03	0.1%
MN.E1.R150	14.12	14.15	0.03	0.1%
MN.E1.R160	13.82	13.85	0.03	0.1%
MN.E1.R170	13.55	13.58	0.03	0.1%
MN.E1.R180	13.31	13.34	0.03	0.1%
MN.E1.R190	13.09	13.11	0.02	0.1%
MN.E1.R200	12.88	12.90	0.02	0.1%

Table 8h.62: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Oakley Wood SSSI)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PC		
MN.E1.R0	17.09	17.20	0.10	0.1%
MN.E1.R2	16.28	16.37	0.10	0.1%
MN.E1.R5	15.19	15.28	0.09	0.1%
MN.E1.R10	13.69	13.77	0.08	0.1%
MN.E1.R20	11.41	11.48	0.07	0.1%
MN.E1.R30	9.78	9.84	0.06	0.1%
MN.E1.R40	8.56	8.61	0.05	0.1%
MN.E1.R50	7.60	7.65	0.05	0.1%
MN.E1.R60	6.83	6.87	0.04	0.1%
MN.E1.R70	6.19	6.22	0.04	0.0%
MN.E1.R80	5.65	5.68	0.03	0.0%
MN.E1.R90	5.19	5.22	0.03	0.0%
MN.E1.R100	4.80	4.83	0.03	0.0%
MN.E1.R110	4.45	4.48	0.03	0.0%
MN.E1.R120	4.15	4.18	0.02	0.0%
MN.E1.R130	3.88	3.90	0.02	0.0%
MN.E1.R140	3.64	3.66	0.02	0.0%
MN.E1.R150	3.42	3.44	0.02	0.0%
MN.E1.R160	3.23	3.25	0.02	0.0%
MN.E1.R170	3.06	3.07	0.02	0.0%
MN.E1.R180	2.90	2.92	0.02	0.0%
MN.E1.R190	2.75	2.77	0.02	0.0%
MN.E1.R200	2.62	2.63	0.02	0.0%

Table 8h.63: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Oakley Wood SSSI)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
MN.E1.R0	4.11	4.12	0.01	1.04%
MN.E1.R2	3.99	4.00	0.01	0.98%
MN.E1.R5	3.83	3.84	0.01	0.92%
MN.E1.R10	3.61	3.62	0.01	0.83%
MN.E1.R20	3.27	3.28	0.01	0.69%
MN.E1.R30	3.03	3.04	0.01	0.59%
MN.E1.R40	2.85	2.86	0.01	0.51%
MN.E1.R50	2.71	2.72	0.00	0.45%
MN.E1.R60	2.60	2.60	0.00	0.41%
MN.E1.R70	2.51	2.51	0.00	0.37%
MN.E1.R80	2.43	2.43	0.00	0.33%
MN.E1.R90	2.36	2.37	0.00	0.31%
MN.E1.R100	2.31	2.31	0.00	0.28%
MN.E1.R110	2.26	2.26	0.00	0.26%
MN.E1.R120	2.21	2.21	0.00	0.24%
MN.E1.R130	2.17	2.17	0.00	0.23%
MN.E1.R140	2.14	2.14	0.00	0.21%
MN.E1.R150	2.11	2.11	0.00	0.20%
MN.E1.R160	2.08	2.08	0.00	0.19%
MN.E1.R170	2.05	2.06	0.00	0.18%
MN.E1.R180	2.03	2.03	0.00	0.17%
MN.E1.R190	2.01	2.01	0.00	0.16%
MN.E1.R200	1.99	1.99	0.00	0.15%

Table 8h.64: Predicted 2028 Total Acid Deposition (Oakley Wood SSSI)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 1a + Construction Traffic (keq / ha / year) PEC		
MN.E1.R0	2.40	2.40	0.00	0.7%
MN.E1.R2	2.39	2.39	0.00	0.8%
MN.E1.R5	2.37	2.37	0.00	0.7%
MN.E1.R10	2.34	2.34	0.00	0.6%
MN.E1.R20	2.30	2.31	0.00	0.4%
MN.E1.R30	2.28	2.28	0.00	0.4%
MN.E1.R40	2.25	2.26	0.00	0.3%
MN.E1.R50	2.24	2.24	0.00	0.3%
MN.E1.R60	2.22	2.23	0.00	0.3%
MN.E1.R70	2.21	2.21	0.00	0.3%
MN.E1.R80	2.20	2.20	0.00	0.2%
MN.E1.R90	2.20	2.20	0.00	0.2%
MN.E1.R100	2.19	2.19	0.00	0.2%
MN.E1.R110	2.18	2.18	0.00	0.2%
MN.E1.R120	2.18	2.18	0.00	0.2%
MN.E1.R130	2.17	2.17	0.00	0.2%
MN.E1.R140	2.17	2.17	0.00	0.2%
MN.E1.R150	2.16	2.16	0.00	0.2%
MN.E1.R160	2.16	2.16	0.00	0.1%
MN.E1.R170	2.16	2.16	0.00	0.1%
MN.E1.R180	2.15	2.15	0.00	0.1%
MN.E1.R190	2.15	2.15	0.00	0.1%
MN.E1.R200	2.15	2.15	0.00	0.1%

Table 8h.65: Predicted 2028 Total Nitrogen Deposition (Oakley Wood SSSI)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 1a + Construction Traffic (kg N / ha / year) PEC		
MN.E1.R0	51.14	51.24	0.10	0.7%
MN.E1.R2	50.03	50.13	0.10	0.6%
MN.E1.R5	48.57	48.66	0.09	0.6%
MN.E1.R10	46.54	46.62	0.08	0.5%
MN.E1.R20	43.48	43.55	0.07	0.4%
MN.E1.R30	41.28	41.34	0.06	0.4%
MN.E1.R40	39.64	39.69	0.05	0.3%
MN.E1.R50	38.34	38.39	0.04	0.3%
MN.E1.R60	37.30	37.34	0.04	0.3%
MN.E1.R70	36.44	36.48	0.04	0.2%
MN.E1.R80	35.72	35.75	0.03	0.2%
MN.E1.R90	35.11	35.14	0.03	0.2%
MN.E1.R100	34.58	34.61	0.03	0.2%
MN.E1.R110	34.12	34.15	0.03	0.2%
MN.E1.R120	33.71	33.74	0.02	0.2%
MN.E1.R130	33.35	33.38	0.02	0.2%
MN.E1.R140	33.03	33.06	0.02	0.1%
MN.E1.R150	32.74	32.77	0.02	0.1%
MN.E1.R160	32.49	32.51	0.02	0.1%
MN.E1.R170	32.26	32.28	0.02	0.1%
MN.E1.R180	32.05	32.07	0.02	0.1%
MN.E1.R190	31.86	31.88	0.02	0.1%
MN.E1.R200	31.68	31.70	0.01	0.1%

**Tonge Gorse Ancient & Semi Natural Woodland**

**Table 8h.66: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Tonge Gorse)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	36.32	36.42	0.10	0.3%
AB.E2.R2	36.07	36.16	0.09	0.3%
AB.E2.R5	35.58	35.67	0.09	0.3%
AB.E2.R10	34.56	34.64	0.08	0.3%
AB.E2.R20	32.32	32.39	0.07	0.2%
AB.E2.R30	30.36	30.41	0.06	0.2%
AB.E2.R40	28.78	28.83	0.05	0.2%
AB.E2.R50	27.75	27.78	0.03	0.1%
AB.E2.R60	27.55	27.57	0.02	0.1%
AB.E3.R0	23.73	23.75	0.02	0.1%
AB.E3.R2	23.07	23.09	0.02	0.1%
AB.E3.R5	22.27	22.29	0.02	0.1%
AB.E3.R10	21.23	21.25	0.02	0.1%
AB.E3.R20	19.81	19.84	0.02	0.1%
AB.E3.R30	18.84	18.86	0.02	0.1%
AB.E3.R40	18.11	18.13	0.02	0.1%
AB.E3.R50	17.52	17.54	0.02	0.1%
AB.E3.R60	17.02	17.04	0.02	0.1%
AB.E3.R70	16.59	16.61	0.02	0.1%
AB.E3.R80	16.21	16.23	0.02	0.1%
AB.E3.R90	15.88	15.90	0.02	0.1%
AB.E3.R100	15.58	15.59	0.02	0.1%
AB.E3.R110	15.30	15.32	0.02	0.1%
AB.E3.R120	15.05	15.06	0.02	0.1%
AB.E3.R130	14.81	14.83	0.02	0.1%
AB.E3.R140	14.59	14.61	0.01	0.0%

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E3.R150	14.39	14.40	0.01	0.0%
AB.E3.R160	14.20	14.21	0.01	0.0%
AB.E3.R170	14.02	14.03	0.01	0.0%
AB.E3.R180	13.85	13.86	0.01	0.0%
AB.E3.R190	13.69	13.70	0.01	0.0%
AB.E3.R200	13.54	13.55	0.01	0.0%

Table 8h.67: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Tonge Gorse)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	6.94	6.97	0.02	0.0%
AB.E2.R2	6.88	6.90	0.02	0.0%
AB.E2.R5	6.76	6.78	0.02	0.0%
AB.E2.R10	6.50	6.52	0.02	0.0%
AB.E2.R20	5.93	5.95	0.02	0.0%
AB.E2.R30	5.43	5.45	0.01	0.0%
AB.E2.R40	5.03	5.05	0.01	0.0%
AB.E2.R50	4.77	4.78	0.01	0.0%
AB.E2.R60	4.72	4.73	0.00	0.0%
AB.E3.R0	3.75	3.76	0.00	0.0%
AB.E3.R2	3.59	3.59	0.00	0.0%
AB.E3.R5	3.38	3.39	0.00	0.0%
AB.E3.R10	3.12	3.13	0.01	0.0%
AB.E3.R20	2.76	2.77	0.01	0.0%
AB.E3.R30	2.51	2.52	0.01	0.0%
AB.E3.R40	2.33	2.33	0.01	0.0%
AB.E3.R50	2.18	2.18	0.00	0.0%

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E3.R60	2.05	2.06	0.00	0.0%
AB.E3.R70	1.94	1.95	0.00	0.0%
AB.E3.R80	1.85	1.85	0.00	0.0%
AB.E3.R90	1.76	1.77	0.00	0.0%
AB.E3.R100	1.69	1.69	0.00	0.0%
AB.E3.R110	1.62	1.62	0.00	0.0%
AB.E3.R120	1.55	1.56	0.00	0.0%
AB.E3.R130	1.49	1.50	0.00	0.0%
AB.E3.R140	1.44	1.44	0.00	0.0%
AB.E3.R150	1.39	1.39	0.00	0.0%
AB.E3.R160	1.34	1.34	0.00	0.0%
AB.E3.R170	1.29	1.29	0.00	0.0%
AB.E3.R180	1.25	1.25	0.00	0.0%
AB.E3.R190	1.21	1.21	0.00	0.0%
AB.E3.R200	1.17	1.17	0.00	0.0%

Table 8h.68: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Tonge Gorse)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	2.58	2.58	0.01	0.52%
AB.E2.R2	2.57	2.57	0.01	0.51%
AB.E2.R5	2.55	2.56	0.00	0.49%
AB.E2.R10	2.52	2.52	0.00	0.46%
AB.E2.R20	2.45	2.46	0.00	0.39%
AB.E2.R30	2.39	2.40	0.00	0.33%
AB.E2.R40	2.35	2.35	0.00	0.26%
AB.E2.R50	2.33	2.33	0.00	0.19%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E2.R60	2.35	2.35	0.00	0.11%
AB.E3.R0	2.25	2.25	0.00	0.04%
AB.E3.R2	2.21	2.21	0.00	0.05%
AB.E3.R5	2.17	2.17	0.00	0.06%
AB.E3.R10	2.12	2.12	0.00	0.08%
AB.E3.R20	2.05	2.05	0.00	0.09%
AB.E3.R30	2.01	2.01	0.00	0.10%
AB.E3.R40	1.98	1.98	0.00	0.10%
AB.E3.R50	1.95	1.95	0.00	0.10%
AB.E3.R60	1.93	1.93	0.00	0.10%
AB.E3.R70	1.91	1.91	0.00	0.10%
AB.E3.R80	1.90	1.90	0.00	0.09%
AB.E3.R90	1.89	1.89	0.00	0.09%
AB.E3.R100	1.88	1.88	0.00	0.09%
AB.E3.R110	1.87	1.87	0.00	0.09%
AB.E3.R120	1.86	1.86	0.00	0.08%
AB.E3.R130	1.85	1.85	0.00	0.08%
AB.E3.R140	1.84	1.84	0.00	0.08%
AB.E3.R150	1.83	1.83	0.00	0.08%
AB.E3.R160	1.83	1.83	0.00	0.07%
AB.E3.R170	1.82	1.82	0.00	0.07%
AB.E3.R180	1.81	1.82	0.00	0.07%
AB.E3.R190	1.81	1.81	0.00	0.07%
AB.E3.R200	1.80	1.81	0.00	0.07%

Table 8h.69: Predicted 2028 Total Acid Deposition (Tonge Gorse)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 1a + Construction Traffic (keq / ha / year) PEC		
AB.E2.R0	2.36	2.36	0.00	0.4%
AB.E2.R2	2.35	2.36	0.00	0.3%
AB.E2.R5	2.35	2.35	0.00	0.4%
AB.E2.R10	2.34	2.34	0.00	0.4%
AB.E2.R20	2.32	2.32	0.00	0.3%
AB.E2.R30	2.30	2.30	0.00	0.2%
AB.E2.R40	2.29	2.29	0.00	0.2%
AB.E2.R50	2.28	2.28	0.00	0.1%
AB.E2.R60	2.27	2.27	0.00	0.1%
AB.E3.R0	2.24	2.24	0.00	0.1%
AB.E3.R2	2.23	2.23	0.00	0.0%
AB.E3.R5	2.22	2.22	0.00	0.1%
AB.E3.R10	2.21	2.21	0.00	0.1%
AB.E3.R20	2.20	2.20	0.00	0.1%
AB.E3.R30	2.19	2.19	0.00	0.0%
AB.E3.R40	2.18	2.18	0.00	0.1%
AB.E3.R50	2.17	2.17	0.00	0.1%
AB.E3.R60	2.17	2.17	0.00	0.0%
AB.E3.R70	2.16	2.16	0.00	0.1%
AB.E3.R80	2.16	2.16	0.00	0.1%
AB.E3.R90	2.15	2.15	0.00	0.1%
AB.E3.R100	2.15	2.15	0.00	0.1%
AB.E3.R110	2.15	2.15	0.00	0.0%
AB.E3.R120	2.15	2.15	0.00	0.1%
AB.E3.R130	2.14	2.14	0.00	0.1%
AB.E3.R140	2.14	2.14	0.00	0.0%
AB.E3.R150	2.14	2.14	0.00	0.0%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 1a + Construction Traffic (keq / ha / year) PEC		
AB.E3.R160	2.14	2.14	0.00	0.1%
AB.E3.R170	2.14	2.14	0.00	0.0%
AB.E3.R180	2.13	2.13	0.00	0.1%
AB.E3.R190	2.13	2.13	0.00	0.0%
AB.E3.R200	2.13	2.13	0.00	0.1%

Table 8h.70: Predicted 2028 Total Nitrogen Deposition (Tonge Gorse)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 1a + Construction Traffic (kg N / ha / year) PEC		
AB.E2.R0	39.06	39.11	0.05	0.5%
AB.E2.R2	38.95	39.00	0.05	0.5%
AB.E2.R5	38.76	38.81	0.05	0.5%
AB.E2.R10	38.38	38.43	0.05	0.5%
AB.E2.R20	37.59	37.63	0.04	0.4%
AB.E2.R30	36.88	36.91	0.03	0.3%
AB.E2.R40	36.33	36.36	0.03	0.3%
AB.E2.R50	36.03	36.05	0.02	0.2%
AB.E2.R60	36.15	36.16	0.01	0.1%
AB.E3.R0	34.88	34.88	0.01	0.1%
AB.E3.R2	34.53	34.54	0.00	0.0%
AB.E3.R5	34.12	34.12	0.01	0.1%
AB.E3.R10	33.58	33.59	0.01	0.1%
AB.E3.R20	32.86	32.87	0.01	0.1%
AB.E3.R30	32.38	32.38	0.01	0.1%
AB.E3.R40	32.02	32.04	0.01	0.1%
AB.E3.R50	31.75	31.76	0.01	0.1%
AB.E3.R60	31.53	31.53	0.01	0.1%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 1a + Construction Traffic (kg N / ha / year) PEC		
AB.E3.R70	31.33	31.34	0.01	0.1%
AB.E3.R80	31.17	31.18	0.01	0.1%
AB.E3.R90	31.02	31.03	0.01	0.1%
AB.E3.R100	30.90	30.91	0.01	0.1%
AB.E3.R110	30.78	30.79	0.01	0.1%
AB.E3.R120	30.68	30.68	0.01	0.1%
AB.E3.R130	30.58	30.59	0.01	0.1%
AB.E3.R140	30.49	30.50	0.01	0.1%
AB.E3.R150	30.41	30.41	0.01	0.1%
AB.E3.R160	30.32	30.33	0.01	0.1%
AB.E3.R170	30.25	30.26	0.01	0.1%
AB.E3.R180	30.18	30.19	0.01	0.1%
AB.E3.R190	30.12	30.12	0.01	0.1%
AB.E3.R200	30.06	30.07	0.01	0.1%

Lount Meadows SSSI

Table 8h.71: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E3.R0	41.51	41.55	0.04	0.1%
TK.E3.R2	39.78	39.82	0.04	0.1%
TK.E3.R5	37.50	37.53	0.03	0.1%
TK.E3.R10	34.35	34.38	0.03	0.1%
TK.E3.R20	29.68	29.71	0.03	0.1%
TK.E3.R30	26.38	26.41	0.02	0.1%
TK.E3.R40	23.92	23.94	0.02	0.1%
TK.E3.R50	22.00	22.02	0.02	0.1%
TK.E3.R60	20.46	20.48	0.01	0.0%
TK.E3.R70	19.20	19.21	0.01	0.0%
TK.E3.R80	18.15	18.16	0.01	0.0%
TK.E3.R90	17.25	17.27	0.01	0.0%
TK.E3.R100	16.49	16.50	0.01	0.0%
TK.E3.R110	15.83	15.84	0.01	0.0%
TK.E3.R120	15.25	15.26	0.01	0.0%
TK.E3.R130	14.74	14.75	0.01	0.0%
TK.E3.R140	14.29	14.30	0.01	0.0%
TK.E3.R150	13.90	13.90	0.01	0.0%

Table 8h.72: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PC		
TK.E3.R0	8.46	8.47	0.01	0.0%
TK.E3.R2	8.02	8.03	0.01	0.0%
TK.E3.R5	7.44	7.44	0.01	0.0%

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PC		
TK.E3.R10	6.64	6.64	0.01	0.0%
TK.E3.R20	5.45	5.45	0.01	0.0%
TK.E3.R30	4.61	4.61	0.01	0.0%
TK.E3.R40	3.98	3.98	0.00	0.0%
TK.E3.R50	3.49	3.50	0.00	0.0%
TK.E3.R60	3.10	3.10	0.00	0.0%
TK.E3.R70	2.78	2.78	0.00	0.0%
TK.E3.R80	2.51	2.51	0.00	0.0%
TK.E3.R90	2.28	2.28	0.00	0.0%
TK.E3.R100	2.09	2.09	0.00	0.0%
TK.E3.R110	1.92	1.92	0.00	0.0%
TK.E3.R120	1.77	1.77	0.00	0.0%
TK.E3.R130	1.64	1.64	0.00	0.0%
TK.E3.R140	1.53	1.53	0.00	0.0%
TK.E3.R150	1.43	1.43	0.00	0.0%

Table 8h.73: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E3.R0	3.05	3.06	0.01	0.33%
TK.E3.R2	2.99	3.00	0.01	0.32%
TK.E3.R5	2.90	2.91	0.01	0.29%
TK.E3.R10	2.79	2.80	0.01	0.26%
TK.E3.R20	2.62	2.63	0.01	0.21%
TK.E3.R30	2.51	2.51	0.01	0.18%
TK.E3.R40	2.42	2.42	0.00	0.15%
TK.E3.R50	2.35	2.35	0.00	0.14%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E3.R60	2.30	2.30	0.00	0.12%
TK.E3.R70	2.25	2.25	0.00	0.11%
TK.E3.R80	2.21	2.22	0.00	0.10%
TK.E3.R90	2.18	2.19	0.00	0.09%
TK.E3.R100	2.16	2.16	0.00	0.08%
TK.E3.R110	2.13	2.13	0.00	0.07%
TK.E3.R120	2.11	2.11	0.00	0.07%
TK.E3.R130	2.09	2.10	0.00	0.06%
TK.E3.R140	2.08	2.08	0.00	0.06%
TK.E3.R150	2.06	2.07	0.00	0.05%

Table 8h.74: Predicted 2028 Total Acid Deposition (Lount Meadows SSSI)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 1a + Construction Traffic (keq / ha / year) PEC		
TK.E3.R0	2.31	2.31	0.00	0.0%
TK.E3.R2	2.30	2.30	0.00	0.0%
TK.E3.R5	2.29	2.29	0.00	0.0%
TK.E3.R10	2.27	2.27	0.00	0.0%
TK.E3.R20	2.25	2.25	0.00	0.0%
TK.E3.R30	2.23	2.23	0.00	0.0%
TK.E3.R40	2.22	2.22	0.00	0.0%
TK.E3.R50	2.21	2.21	0.00	0.0%
TK.E3.R60	2.20	2.20	0.00	0.0%
TK.E3.R70	2.20	2.20	0.00	0.0%
TK.E3.R80	2.19	2.19	0.00	0.0%
TK.E3.R90	2.19	2.19	0.00	0.0%
TK.E3.R100	2.18	2.18	0.00	0.0%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 1a + Construction Traffic (keq / ha / year) PEC		
TK.E3.R110	2.18	2.18	0.00	0.0%
TK.E3.R120	2.18	2.18	0.00	0.0%
TK.E3.R130	2.17	2.17	0.00	0.0%
TK.E3.R140	2.17	2.17	0.00	0.0%
TK.E3.R150	2.17	2.17	0.00	0.0%

Table 8h.75: Predicted 2028 Total Nitrogen Deposition (Lount Meadows SSSI)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 1a + Construction Traffic (kg N / ha / year) PEC		
TK.E3.R0	37.91	37.96	0.05	0.5%
TK.E3.R2	37.48	37.54	0.05	0.5%
TK.E3.R5	36.92	36.97	0.05	0.5%
TK.E3.R10	36.15	36.19	0.04	0.4%
TK.E3.R20	34.99	35.03	0.03	0.3%
TK.E3.R30	34.17	34.20	0.03	0.3%
TK.E3.R40	33.56	33.58	0.03	0.3%
TK.E3.R50	33.08	33.10	0.02	0.2%
TK.E3.R60	32.69	32.71	0.02	0.2%
TK.E3.R70	32.37	32.39	0.02	0.2%
TK.E3.R80	32.11	32.12	0.02	0.2%
TK.E3.R90	31.88	31.90	0.02	0.2%
TK.E3.R100	31.69	31.70	0.01	0.1%
TK.E3.R110	31.52	31.53	0.01	0.1%
TK.E3.R120	31.38	31.39	0.01	0.1%
TK.E3.R130	31.25	31.26	0.01	0.1%
TK.E3.R140	31.14	31.15	0.01	0.1%
TK.E3.R150	31.04	31.05	0.01	0.1%

Breedon Cloud Wood and Quarry SSSI

Table 8h.76: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Breedon and Cloud Wood Quarry)

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E4.R0	16.78	17.01	0.23	0.8%
TK.E4.R2	15.82	16.04	0.22	0.7%
TK.E4.R5	14.75	14.95	0.20	0.7%
TK.E4.R10	13.53	13.70	0.17	0.6%
TK.E4.R20	12.07	12.21	0.14	0.5%
TK.E4.R30	11.24	11.36	0.11	0.4%
TK.E4.R40	10.70	10.79	0.10	0.3%
TK.E4.R50	10.31	10.40	0.08	0.3%
TK.E4.R60	10.03	10.10	0.07	0.2%
TK.E4.R70	9.81	9.88	0.07	0.2%
TK.E4.R80	9.64	9.70	0.06	0.2%
TK.E4.R90	9.50	9.55	0.05	0.2%
TK.E4.R100	9.38	9.43	0.05	0.2%
TK.E4.R110	9.28	9.33	0.04	0.1%
TK.E4.R120	9.20	9.24	0.04	0.1%
TK.E4.R130	9.13	9.17	0.04	0.1%
TK.E4.R140	9.06	9.10	0.04	0.1%
TK.E4.R150	9.01	9.04	0.03	0.1%
TK.E4.R160	8.96	8.99	0.03	0.1%
TK.E4.R170	8.92	8.94	0.03	0.1%
TK.E4.R180	8.88	8.90	0.03	0.1%
TK.E4.R190	8.84	8.87	0.02	0.1%
TK.E4.R200	8.81	8.84	0.02	0.1%

Table 8h.77: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Breedon and Cloud Wood Quarry)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 1a+ Construction Traffic (µg/m <sup>3</sup> ) PC		
TK.E4.R0	2.26	2.32	0.06	0.1%
TK.E4.R2	2.02	2.07	0.05	0.1%
TK.E4.R5	1.75	1.80	0.05	0.1%
TK.E4.R10	1.44	1.48	0.04	0.1%
TK.E4.R20	1.07	1.10	0.03	0.0%
TK.E4.R30	0.86	0.88	0.03	0.0%
TK.E4.R40	0.72	0.74	0.02	0.0%
TK.E4.R50	0.62	0.64	0.02	0.0%
TK.E4.R60	0.55	0.57	0.02	0.0%
TK.E4.R70	0.49	0.51	0.02	0.0%
TK.E4.R80	0.45	0.46	0.02	0.0%
TK.E4.R90	0.41	0.43	0.01	0.0%
TK.E4.R100	0.38	0.40	0.01	0.0%
TK.E4.R110	0.36	0.37	0.01	0.0%
TK.E4.R120	0.34	0.35	0.01	0.0%
TK.E4.R130	0.32	0.33	0.01	0.0%
TK.E4.R140	0.30	0.31	0.01	0.0%
TK.E4.R150	0.29	0.30	0.01	0.0%
TK.E4.R160	0.28	0.28	0.01	0.0%
TK.E4.R170	0.26	0.27	0.01	0.0%
TK.E4.R180	0.25	0.26	0.01	0.0%
TK.E4.R190	0.25	0.25	0.01	0.0%
TK.E4.R200	0.24	0.24	0.01	0.0%

Table 8h.78: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Breedon and Cloud Wood Quarry)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E4.R0	2.07	2.07	0.00	0.13%
TK.E4.R2	2.03	2.03	0.00	0.12%
TK.E4.R5	1.99	1.99	0.00	0.10%
TK.E4.R10	1.94	1.94	0.00	0.08%
TK.E4.R20	1.88	1.88	0.00	0.06%
TK.E4.R30	1.84	1.84	0.00	0.05%
TK.E4.R40	1.82	1.82	0.00	0.04%
TK.E4.R50	1.81	1.81	0.00	0.04%
TK.E4.R60	1.79	1.79	0.00	0.03%
TK.E4.R70	1.79	1.79	0.00	0.03%
TK.E4.R80	1.78	1.78	0.00	0.03%
TK.E4.R90	1.77	1.77	0.00	0.02%
TK.E4.R100	1.77	1.77	0.00	0.02%
TK.E4.R110	1.76	1.76	0.00	0.02%
TK.E4.R120	1.76	1.76	0.00	0.02%
TK.E4.R130	1.76	1.76	0.00	0.02%
TK.E4.R140	1.76	1.76	0.00	0.02%
TK.E4.R150	1.75	1.75	0.00	0.02%
TK.E4.R160	1.75	1.75	0.00	0.02%
TK.E4.R170	1.75	1.75	0.00	0.02%
TK.E4.R180	1.75	1.75	0.00	0.02%
TK.E4.R190	1.75	1.75	0.00	0.02%
TK.E4.R200	1.75	1.75	0.00	0.02%

Table 8h.79: Predicted 2028 Total Acid Deposition (Breedon and Cloud Wood Quarry)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 1a + Construction Traffic (keq / ha / year) PEC		
TK.E4.R0	2.21	2.21	0.00	1.6%
TK.E4.R2	2.20	2.20	0.00	1.6%
TK.E4.R5	2.19	2.19	0.00	1.5%
TK.E4.R10	2.17	2.17	0.00	1.2%
TK.E4.R20	2.16	2.16	0.00	1.0%
TK.E4.R30	2.15	2.15	0.00	0.9%
TK.E4.R40	2.14	2.14	0.00	0.7%
TK.E4.R50	2.14	2.14	0.00	0.7%
TK.E4.R60	2.13	2.13	0.00	0.6%
TK.E4.R70	2.13	2.13	0.00	0.6%
TK.E4.R80	2.13	2.13	0.00	0.4%
TK.E4.R90	2.13	2.13	0.00	0.4%
TK.E4.R100	2.13	2.13	0.00	0.4%
TK.E4.R110	2.13	2.13	0.00	0.4%
TK.E4.R120	2.12	2.12	0.00	0.3%
TK.E4.R130	2.12	2.12	0.00	0.1%
TK.E4.R140	2.12	2.12	0.00	0.3%
TK.E4.R150	2.12	2.12	0.00	0.1%
TK.E4.R160	2.12	2.12	0.00	0.3%
TK.E4.R170	2.12	2.12	0.00	0.1%
TK.E4.R180	2.12	2.12	0.00	0.1%
TK.E4.R190	2.12	2.12	0.00	0.3%
TK.E4.R200	2.12	2.12	0.00	0.1%

Table 8h.80: Predicted 2028 Total Nitrogen Deposition (Breedon and Cloud Wood Quarry)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 1a + Construction Traffic (kg N / ha / year) PEC		
TK.E4.R0	32.46	32.50	0.04	0.3%
TK.E4.R2	32.03	32.07	0.04	0.3%
TK.E4.R5	31.55	31.59	0.04	0.2%
TK.E4.R10	31.00	31.03	0.03	0.2%
TK.E4.R20	30.34	30.36	0.02	0.2%
TK.E4.R30	29.96	29.98	0.02	0.1%
TK.E4.R40	29.70	29.72	0.02	0.1%
TK.E4.R50	29.53	29.54	0.02	0.1%
TK.E4.R60	29.40	29.41	0.01	0.1%
TK.E4.R70	29.29	29.31	0.01	0.1%
TK.E4.R80	29.22	29.23	0.01	0.1%
TK.E4.R90	29.15	29.16	0.01	0.1%
TK.E4.R100	29.10	29.11	0.01	0.1%
TK.E4.R110	29.05	29.06	0.01	0.1%
TK.E4.R120	29.02	29.02	0.01	0.0%
TK.E4.R130	28.98	28.99	0.00	0.0%
TK.E4.R140	28.95	28.96	0.01	0.0%
TK.E4.R150	28.93	28.93	0.00	0.0%
TK.E4.R160	28.91	28.91	0.01	0.0%
TK.E4.R170	28.89	28.89	0.00	0.0%
TK.E4.R180	28.87	28.87	0.00	0.0%
TK.E4.R190	28.85	28.86	0.01	0.0%
TK.E4.R200	28.84	28.84	0.00	0.0%

**On-Site Veteran Trees**

**Table 8h.81: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (On-Site Veteran Trees)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
20002	20.57	20.66	0.09	0.3%

**Table 8h.82: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (On-Site Veteran Trees)**

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PC		
20002	2.25	2.27	0.02	0.0%

**Table 8h.83: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (On-Site Veteran Trees)**

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
20002	2.00	2.01	0.00	0.33%

**Table 8h.84: Predicted 2028 Total Acid Deposition (On-Site Veteran Trees)**

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 1a + Construction Traffic (keq / ha / year) PEC		
20002	2.17	2.17	0.00	0.4%

**Table 8h.85: Predicted 2028 Total Nitrogen Deposition (On-Site Veteran Trees)**

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 1a + Construction Traffic (kg N / ha / year) PEC		
20002	32.18	32.22	0.04	0.4%

**Oakley Wood SSSI**

**Table 8h.86: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Oakley Wood SSSI)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
MN.E1.R0	34.53	34.59	0.06	0.2%
MN.E1.R2	33.30	33.37	0.06	0.2%
MN.E1.R5	31.68	31.74	0.06	0.2%
MN.E1.R10	29.41	29.47	0.05	0.2%
MN.E1.R20	26.00	26.05	0.05	0.2%
MN.E1.R30	23.56	23.60	0.04	0.1%
MN.E1.R40	21.72	21.75	0.04	0.1%
MN.E1.R50	20.27	20.31	0.03	0.1%
MN.E1.R60	19.11	19.14	0.03	0.1%
MN.E1.R70	18.15	18.18	0.03	0.1%
MN.E1.R80	17.35	17.37	0.02	0.1%
MN.E1.R90	16.66	16.68	0.02	0.1%
MN.E1.R100	16.07	16.09	0.02	0.1%
MN.E1.R110	15.55	15.57	0.02	0.1%
MN.E1.R120	15.09	15.11	0.02	0.1%
MN.E1.R130	14.69	14.71	0.02	0.1%
MN.E1.R140	14.33	14.35	0.02	0.1%
MN.E1.R150	14.00	14.02	0.01	0.0%
MN.E1.R160	13.71	13.73	0.01	0.0%
MN.E1.R170	13.45	13.46	0.01	0.0%
MN.E1.R180	13.22	13.23	0.01	0.0%
MN.E1.R190	13.00	13.01	0.01	0.0%
MN.E1.R200	12.79	12.80	0.01	0.0%

Table 8h.87: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Oakley Wood SSSI)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PC		
MN.E1.R0	16.73	16.77	0.04	0.1%
MN.E1.R2	15.93	15.97	0.04	0.1%
MN.E1.R5	14.87	14.91	0.04	0.1%
MN.E1.R10	13.39	13.43	0.03	0.0%
MN.E1.R20	11.17	11.20	0.03	0.0%
MN.E1.R30	9.58	9.60	0.03	0.0%
MN.E1.R40	8.38	8.40	0.02	0.0%
MN.E1.R50	7.44	7.46	0.02	0.0%
MN.E1.R60	6.68	6.70	0.02	0.0%
MN.E1.R70	6.06	6.07	0.02	0.0%
MN.E1.R80	5.53	5.54	0.02	0.0%
MN.E1.R90	5.08	5.10	0.01	0.0%
MN.E1.R100	4.70	4.71	0.01	0.0%
MN.E1.R110	4.36	4.37	0.01	0.0%
MN.E1.R120	4.06	4.07	0.01	0.0%
MN.E1.R130	3.80	3.81	0.01	0.0%
MN.E1.R140	3.56	3.57	0.01	0.0%
MN.E1.R150	3.35	3.36	0.01	0.0%
MN.E1.R160	3.16	3.17	0.01	0.0%
MN.E1.R170	2.99	3.00	0.01	0.0%
MN.E1.R180	2.84	2.85	0.01	0.0%
MN.E1.R190	2.69	2.70	0.01	0.0%
MN.E1.R200	2.56	2.57	0.01	0.0%

Table 8h.88: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Oakley Wood SSSI)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
MN.E1.R0	4.05	4.06	0.01	1.03%
MN.E1.R2	3.93	3.94	0.01	0.98%
MN.E1.R5	3.77	3.78	0.01	0.92%
MN.E1.R10	3.55	3.56	0.01	0.82%
MN.E1.R20	3.23	3.23	0.01	0.69%
MN.E1.R30	2.99	3.00	0.01	0.59%
MN.E1.R40	2.82	2.82	0.01	0.51%
MN.E1.R50	2.68	2.69	0.00	0.45%
MN.E1.R60	2.57	2.58	0.00	0.41%
MN.E1.R70	2.48	2.49	0.00	0.37%
MN.E1.R80	2.41	2.41	0.00	0.33%
MN.E1.R90	2.34	2.34	0.00	0.31%
MN.E1.R100	2.29	2.29	0.00	0.28%
MN.E1.R110	2.24	2.24	0.00	0.26%
MN.E1.R120	2.20	2.20	0.00	0.24%
MN.E1.R130	2.16	2.16	0.00	0.23%
MN.E1.R140	2.12	2.13	0.00	0.21%
MN.E1.R150	2.09	2.10	0.00	0.20%
MN.E1.R160	2.07	2.07	0.00	0.19%
MN.E1.R170	2.04	2.04	0.00	0.18%
MN.E1.R180	2.02	2.02	0.00	0.17%
MN.E1.R190	2.00	2.00	0.00	0.16%
MN.E1.R200	1.98	1.98	0.00	0.15%

Table 8h.89: Predicted 2028 Total Acid Deposition (Oakley Wood SSSI)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 1b + Construction Traffic (keq / ha / year) PEC		
MN.E1.R0	2.39	2.39	0.00	0.4%
MN.E1.R2	2.38	2.38	0.00	0.3%
MN.E1.R5	2.36	2.36	0.00	0.3%
MN.E1.R10	2.34	2.34	0.00	0.4%
MN.E1.R20	2.30	2.30	0.00	0.3%
MN.E1.R30	2.27	2.27	0.00	0.2%
MN.E1.R40	2.25	2.25	0.00	0.2%
MN.E1.R50	2.24	2.24	0.00	0.1%
MN.E1.R60	2.22	2.22	0.00	0.1%
MN.E1.R70	2.21	2.21	0.00	0.2%
MN.E1.R80	2.20	2.20	0.00	0.1%
MN.E1.R90	2.19	2.19	0.00	0.1%
MN.E1.R100	2.19	2.19	0.00	0.1%
MN.E1.R110	2.18	2.18	0.00	0.1%
MN.E1.R120	2.17	2.17	0.00	0.1%
MN.E1.R130	2.17	2.17	0.00	0.1%
MN.E1.R140	2.17	2.17	0.00	0.0%
MN.E1.R150	2.16	2.16	0.00	0.0%
MN.E1.R160	2.16	2.16	0.00	0.0%
MN.E1.R170	2.16	2.16	0.00	0.0%
MN.E1.R180	2.15	2.15	0.00	0.1%
MN.E1.R190	2.15	2.15	0.00	0.0%
MN.E1.R200	2.15	2.15	0.00	0.0%

Table 8h.90: Predicted 2028 Total Nitrogen Deposition (Oakley Wood SSSI)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 1b + Construction Traffic (kg N / ha / year) PEC		
MN.E1.R0	50.54	50.63	0.09	0.6%
MN.E1.R2	49.46	49.55	0.08	0.5%
MN.E1.R5	48.04	48.12	0.08	0.5%
MN.E1.R10	46.06	46.14	0.07	0.5%
MN.E1.R20	43.08	43.14	0.06	0.4%
MN.E1.R30	40.94	40.99	0.05	0.3%
MN.E1.R40	39.34	39.38	0.05	0.3%
MN.E1.R50	38.08	38.11	0.04	0.3%
MN.E1.R60	37.07	37.10	0.03	0.2%
MN.E1.R70	36.23	36.26	0.03	0.2%
MN.E1.R80	35.52	35.55	0.03	0.2%
MN.E1.R90	34.93	34.96	0.03	0.2%
MN.E1.R100	34.41	34.44	0.02	0.2%
MN.E1.R110	33.96	33.99	0.02	0.2%
MN.E1.R120	33.57	33.59	0.02	0.1%
MN.E1.R130	33.22	33.24	0.02	0.1%
MN.E1.R140	32.91	32.93	0.02	0.1%
MN.E1.R150	32.63	32.64	0.02	0.1%
MN.E1.R160	32.38	32.39	0.01	0.1%
MN.E1.R170	32.15	32.17	0.01	0.1%
MN.E1.R180	31.95	31.97	0.02	0.1%
MN.E1.R190	31.76	31.78	0.01	0.1%
MN.E1.R200	31.59	31.60	0.01	0.1%

**Tonge Gorse Ancient & Semi Natural Woodland**

**Table 8h.91: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Tonge Gorse)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	35.33	35.45	0.13	0.4%
AB.E2.R2	35.09	35.21	0.12	0.4%
AB.E2.R5	34.62	34.74	0.12	0.4%
AB.E2.R10	33.64	33.76	0.11	0.4%
AB.E2.R20	31.49	31.59	0.10	0.3%
AB.E2.R30	29.59	29.68	0.09	0.3%
AB.E2.R40	28.08	28.15	0.07	0.2%
AB.E2.R50	27.07	27.14	0.06	0.2%
AB.E2.R60	26.88	26.93	0.05	0.2%
AB.E3.R0	23.25	23.27	0.03	0.1%
AB.E3.R2	22.61	22.64	0.03	0.1%
AB.E3.R5	21.83	21.86	0.03	0.1%
AB.E3.R10	20.83	20.86	0.03	0.1%
AB.E3.R20	19.45	19.48	0.03	0.1%
AB.E3.R30	18.51	18.54	0.03	0.1%
AB.E3.R40	17.80	17.83	0.03	0.1%
AB.E3.R50	17.23	17.25	0.03	0.1%
AB.E3.R60	16.74	16.77	0.03	0.1%
AB.E3.R70	16.33	16.36	0.03	0.1%
AB.E3.R80	15.96	15.99	0.03	0.1%
AB.E3.R90	15.64	15.66	0.03	0.1%
AB.E3.R100	15.35	15.37	0.03	0.1%
AB.E3.R110	15.08	15.10	0.02	0.1%
AB.E3.R120	14.84	14.86	0.02	0.1%
AB.E3.R130	14.61	14.63	0.02	0.1%
AB.E3.R140	14.40	14.42	0.02	0.1%

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E3.R150	14.20	14.22	0.02	0.1%
AB.E3.R160	14.01	14.03	0.02	0.1%
AB.E3.R170	13.84	13.86	0.02	0.1%
AB.E3.R180	13.67	13.69	0.02	0.1%
AB.E3.R190	13.52	13.54	0.02	0.1%
AB.E3.R200	13.38	13.40	0.02	0.1%

Table 8h.92: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Tonge Gorse)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	6.69	6.72	0.03	0.0%
AB.E2.R2	6.63	6.66	0.03	0.0%
AB.E2.R5	6.51	6.54	0.03	0.0%
AB.E2.R10	6.27	6.29	0.03	0.0%
AB.E2.R20	5.72	5.74	0.03	0.0%
AB.E2.R30	5.24	5.26	0.02	0.0%
AB.E2.R40	4.85	4.87	0.02	0.0%
AB.E2.R50	4.60	4.62	0.02	0.0%
AB.E2.R60	4.55	4.56	0.01	0.0%
AB.E3.R0	3.63	3.64	0.01	0.0%
AB.E3.R2	3.47	3.48	0.01	0.0%
AB.E3.R5	3.27	3.28	0.01	0.0%
AB.E3.R10	3.02	3.03	0.01	0.0%
AB.E3.R20	2.67	2.68	0.01	0.0%
AB.E3.R30	2.43	2.44	0.01	0.0%
AB.E3.R40	2.25	2.26	0.01	0.0%
AB.E3.R50	2.10	2.11	0.01	0.0%

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E3.R60	1.98	1.99	0.01	0.0%
AB.E3.R70	1.88	1.88	0.01	0.0%
AB.E3.R80	1.79	1.79	0.01	0.0%
AB.E3.R90	1.70	1.71	0.01	0.0%
AB.E3.R100	1.63	1.64	0.01	0.0%
AB.E3.R110	1.56	1.57	0.01	0.0%
AB.E3.R120	1.50	1.51	0.01	0.0%
AB.E3.R130	1.44	1.45	0.01	0.0%
AB.E3.R140	1.39	1.39	0.01	0.0%
AB.E3.R150	1.34	1.34	0.01	0.0%
AB.E3.R160	1.29	1.30	0.01	0.0%
AB.E3.R170	1.25	1.25	0.01	0.0%
AB.E3.R180	1.20	1.21	0.00	0.0%
AB.E3.R190	1.17	1.17	0.00	0.0%
AB.E3.R200	1.13	1.13	0.00	0.0%

Table 8h.93: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Tonge Gorse)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E2.R0	2.54	2.55	0.01	0.82%
AB.E2.R2	2.53	2.54	0.01	0.81%
AB.E2.R5	2.52	2.52	0.01	0.79%
AB.E2.R10	2.48	2.49	0.01	0.74%
AB.E2.R20	2.42	2.43	0.01	0.66%
AB.E2.R30	2.36	2.37	0.01	0.57%
AB.E2.R40	2.32	2.33	0.00	0.49%
AB.E2.R50	2.30	2.30	0.00	0.41%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
AB.E2.R60	2.32	2.32	0.00	0.32%
AB.E3.R0	2.22	2.23	0.00	0.19%
AB.E3.R2	2.19	2.19	0.00	0.19%
AB.E3.R5	2.15	2.16	0.00	0.20%
AB.E3.R10	2.10	2.11	0.00	0.20%
AB.E3.R20	2.04	2.04	0.00	0.21%
AB.E3.R30	1.99	2.00	0.00	0.20%
AB.E3.R40	1.96	1.97	0.00	0.20%
AB.E3.R50	1.94	1.94	0.00	0.19%
AB.E3.R60	1.92	1.92	0.00	0.19%
AB.E3.R70	1.90	1.91	0.00	0.18%
AB.E3.R80	1.89	1.89	0.00	0.18%
AB.E3.R90	1.88	1.88	0.00	0.17%
AB.E3.R100	1.87	1.87	0.00	0.16%
AB.E3.R110	1.86	1.86	0.00	0.16%
AB.E3.R120	1.85	1.85	0.00	0.15%
AB.E3.R130	1.84	1.84	0.00	0.15%
AB.E3.R140	1.83	1.83	0.00	0.14%
AB.E3.R150	1.83	1.83	0.00	0.14%
AB.E3.R160	1.82	1.82	0.00	0.13%
AB.E3.R170	1.81	1.82	0.00	0.13%
AB.E3.R180	1.81	1.81	0.00	0.13%
AB.E3.R190	1.80	1.80	0.00	0.12%
AB.E3.R200	1.80	1.80	0.00	0.12%

Table 8h.94: Predicted 2028 Total Acid Deposition (Tonge Gorse)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 1b + Construction Traffic (keq / ha / year) PEC		
AB.E2.R0	2.35	2.35	0.00	0.7%
AB.E2.R2	2.34	2.35	0.00	0.7%
AB.E2.R5	2.34	2.34	0.00	0.6%
AB.E2.R10	2.33	2.33	0.00	0.6%
AB.E2.R20	2.31	2.31	0.00	0.4%
AB.E2.R30	2.29	2.29	0.00	0.3%
AB.E2.R40	2.28	2.28	0.00	0.3%
AB.E2.R50	2.27	2.27	0.00	0.2%
AB.E2.R60	2.27	2.27	0.00	0.2%
AB.E3.R0	2.23	2.23	0.00	0.2%
AB.E3.R2	2.23	2.23	0.00	0.2%
AB.E3.R5	2.22	2.22	0.00	0.1%
AB.E3.R10	2.21	2.21	0.00	0.2%
AB.E3.R20	2.19	2.19	0.00	0.2%
AB.E3.R30	2.18	2.18	0.00	0.1%
AB.E3.R40	2.17	2.18	0.00	0.2%
AB.E3.R50	2.17	2.17	0.00	0.2%
AB.E3.R60	2.16	2.16	0.00	0.2%
AB.E3.R70	2.16	2.16	0.00	0.1%
AB.E3.R80	2.16	2.16	0.00	0.2%
AB.E3.R90	2.15	2.15	0.00	0.1%
AB.E3.R100	2.15	2.15	0.00	0.1%
AB.E3.R110	2.15	2.15	0.00	0.1%
AB.E3.R120	2.14	2.14	0.00	0.1%
AB.E3.R130	2.14	2.14	0.00	0.1%
AB.E3.R140	2.14	2.14	0.00	0.1%
AB.E3.R150	2.14	2.14	0.00	0.1%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 1b + Construction Traffic (keq / ha / year) PEC		
AB.E3.R160	2.13	2.14	0.00	0.1%
AB.E3.R170	2.13	2.13	0.00	0.1%
AB.E3.R180	2.13	2.13	0.00	0.1%
AB.E3.R190	2.13	2.13	0.00	0.1%
AB.E3.R200	2.13	2.13	0.00	0.0%

Table 8h.95: Predicted 2028 Total Nitrogen Deposition (Tonge Gorse)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 1b + Construction Traffic (kg N / ha / year) PEC		
AB.E2.R0	38.65	38.73	0.08	0.8%
AB.E2.R2	38.55	38.63	0.08	0.8%
AB.E2.R5	38.36	38.44	0.08	0.8%
AB.E2.R10	38.00	38.07	0.07	0.7%
AB.E2.R20	37.23	37.30	0.06	0.6%
AB.E2.R30	36.55	36.61	0.05	0.5%
AB.E2.R40	36.02	36.07	0.05	0.5%
AB.E2.R50	35.73	35.77	0.04	0.4%
AB.E2.R60	35.85	35.88	0.03	0.3%
AB.E3.R0	34.65	34.67	0.02	0.2%
AB.E3.R2	34.31	34.33	0.02	0.2%
AB.E3.R5	33.91	33.93	0.02	0.2%
AB.E3.R10	33.39	33.41	0.02	0.2%
AB.E3.R20	32.69	32.71	0.02	0.2%
AB.E3.R30	32.23	32.25	0.02	0.2%
AB.E3.R40	31.89	31.91	0.02	0.2%
AB.E3.R50	31.62	31.64	0.02	0.2%
AB.E3.R60	31.40	31.42	0.02	0.2%

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 1b + Construction Traffic (kg N / ha / year) PEC		
AB.E3.R70	31.22	31.24	0.02	0.2%
AB.E3.R80	31.06	31.08	0.02	0.2%
AB.E3.R90	30.92	30.94	0.02	0.2%
AB.E3.R100	30.80	30.81	0.02	0.2%
AB.E3.R110	30.69	30.70	0.02	0.2%
AB.E3.R120	30.58	30.60	0.01	0.1%
AB.E3.R130	30.49	30.50	0.01	0.1%
AB.E3.R140	30.40	30.42	0.01	0.1%
AB.E3.R150	30.32	30.33	0.01	0.1%
AB.E3.R160	30.24	30.26	0.01	0.1%
AB.E3.R170	30.17	30.19	0.01	0.1%
AB.E3.R180	30.11	30.12	0.01	0.1%
AB.E3.R190	30.05	30.06	0.01	0.1%
AB.E3.R200	29.99	30.00	0.01	0.1%

Lount Meadows SSSI

Table 8h.96: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E3.R0	40.49	40.56	0.07	0.2%
TK.E3.R2	38.82	38.89	0.07	0.2%
TK.E3.R5	36.61	36.67	0.06	0.2%
TK.E3.R10	33.56	33.62	0.06	0.2%
TK.E3.R20	29.04	29.09	0.05	0.2%
TK.E3.R30	25.84	25.88	0.04	0.1%
TK.E3.R40	23.45	23.49	0.03	0.1%
TK.E3.R50	21.59	21.62	0.03	0.1%
TK.E3.R60	20.10	20.13	0.03	0.1%
TK.E3.R70	18.88	18.90	0.02	0.1%
TK.E3.R80	17.85	17.88	0.02	0.1%
TK.E3.R90	16.99	17.01	0.02	0.1%
TK.E3.R100	16.25	16.27	0.02	0.1%
TK.E3.R110	15.61	15.62	0.02	0.1%
TK.E3.R120	15.05	15.06	0.02	0.1%
TK.E3.R130	14.55	14.57	0.01	0.0%
TK.E3.R140	14.12	14.13	0.01	0.0%
TK.E3.R150	13.73	13.74	0.01	0.0%

Table 8h.97: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PC		
TK.E3.R0	8.20	8.22	0.02	0.0%
TK.E3.R2	7.77	7.79	0.02	0.0%
TK.E3.R5	7.21	7.23	0.02	0.0%

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PC		
TK.E3.R10	6.43	6.45	0.01	0.0%
TK.E3.R20	5.28	5.29	0.01	0.0%
TK.E3.R30	4.47	4.48	0.01	0.0%
TK.E3.R40	3.86	3.87	0.01	0.0%
TK.E3.R50	3.39	3.39	0.01	0.0%
TK.E3.R60	3.01	3.01	0.01	0.0%
TK.E3.R70	2.69	2.70	0.01	0.0%
TK.E3.R80	2.43	2.44	0.01	0.0%
TK.E3.R90	2.21	2.22	0.01	0.0%
TK.E3.R100	2.03	2.03	0.00	0.0%
TK.E3.R110	1.86	1.87	0.00	0.0%
TK.E3.R120	1.72	1.72	0.00	0.0%
TK.E3.R130	1.59	1.60	0.00	0.0%
TK.E3.R140	1.48	1.49	0.00	0.0%
TK.E3.R150	1.38	1.39	0.00	0.0%

Table 8h.98: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Lount Meadows SSSI)

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E3.R0	3.00	3.01	0.01	0.20%
TK.E3.R2	2.94	2.95	0.01	0.19%
TK.E3.R5	2.86	2.87	0.01	0.18%
TK.E3.R10	2.75	2.76	0.00	0.15%
TK.E3.R20	2.59	2.60	0.00	0.12%
TK.E3.R30	2.48	2.48	0.00	0.10%
TK.E3.R40	2.40	2.40	0.00	0.09%
TK.E3.R50	2.33	2.33	0.00	0.07%

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E3.R60	2.28	2.28	0.00	0.07%
TK.E3.R70	2.24	2.24	0.00	0.06%
TK.E3.R80	2.20	2.20	0.00	0.05%
TK.E3.R90	2.17	2.17	0.00	0.05%
TK.E3.R100	2.14	2.15	0.00	0.04%
TK.E3.R110	2.12	2.12	0.00	0.04%
TK.E3.R120	2.10	2.10	0.00	0.04%
TK.E3.R130	2.09	2.09	0.00	0.03%
TK.E3.R140	2.07	2.07	0.00	0.03%
TK.E3.R150	2.06	2.06	0.00	0.03%

Table 8h.99: Predicted 2028 Total Acid Deposition (Lount Meadows SSSI)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 1b + Construction Traffic (keq / ha / year) PEC		
TK.E3.R0	2.30	2.30	0.00	0.0%
TK.E3.R2	2.29	2.29	0.00	0.0%
TK.E3.R5	2.28	2.28	0.00	0.0%
TK.E3.R10	2.27	2.27	0.00	0.0%
TK.E3.R20	2.25	2.25	0.00	0.0%
TK.E3.R30	2.23	2.23	0.00	0.0%
TK.E3.R40	2.22	2.22	0.00	0.0%
TK.E3.R50	2.21	2.21	0.00	0.0%
TK.E3.R60	2.20	2.20	0.00	0.0%
TK.E3.R70	2.20	2.20	0.00	0.0%
TK.E3.R80	2.19	2.19	0.00	0.0%
TK.E3.R90	2.19	2.19	0.00	0.0%
TK.E3.R100	2.18	2.18	0.00	0.0%

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 1b + Construction Traffic (keq / ha / year) PEC		
TK.E3.R110	2.18	2.18	0.00	0.0%
TK.E3.R120	2.18	2.18	0.00	0.0%
TK.E3.R130	2.17	2.17	0.00	0.0%
TK.E3.R140	2.17	2.17	0.00	0.0%
TK.E3.R150	2.17	2.17	0.00	0.0%

Table 8h.100: Predicted 2028 Total Nitrogen Deposition (Lount Meadows SSSI)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 1b + Construction Traffic (kg N / ha / year) PEC		
TK.E3.R0	37.60	37.63	0.03	0.3%
TK.E3.R2	37.19	37.22	0.03	0.3%
TK.E3.R5	36.65	36.68	0.03	0.3%
TK.E3.R10	35.91	35.93	0.02	0.2%
TK.E3.R20	34.80	34.82	0.02	0.2%
TK.E3.R30	34.01	34.02	0.02	0.2%
TK.E3.R40	33.41	33.43	0.01	0.1%
TK.E3.R50	32.95	32.96	0.01	0.1%
TK.E3.R60	32.58	32.59	0.01	0.1%
TK.E3.R70	32.27	32.28	0.01	0.1%
TK.E3.R80	32.02	32.03	0.01	0.1%
TK.E3.R90	31.80	31.81	0.01	0.1%
TK.E3.R100	31.61	31.62	0.01	0.1%
TK.E3.R110	31.45	31.46	0.01	0.1%
TK.E3.R120	31.31	31.32	0.01	0.1%
TK.E3.R130	31.19	31.20	0.01	0.1%
TK.E3.R140	31.08	31.09	0.00	0.0%
TK.E3.R150	30.99	30.99	0.00	0.0%

**Breedon Cloud Wood and Quarry SSSI**

**Table 8h.101: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (Breedon and Cloud Wood Quarry)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E4.R0	16.46	16.73	0.27	0.9%
TK.E4.R2	15.54	15.79	0.25	0.8%
TK.E4.R5	14.51	14.73	0.23	0.8%
TK.E4.R10	13.32	13.52	0.19	0.6%
TK.E4.R20	11.92	12.08	0.15	0.5%
TK.E4.R30	11.12	11.25	0.13	0.4%
TK.E4.R40	10.60	10.70	0.11	0.4%
TK.E4.R50	10.23	10.32	0.09	0.3%
TK.E4.R60	9.96	10.03	0.08	0.3%
TK.E4.R70	9.74	9.81	0.07	0.2%
TK.E4.R80	9.58	9.64	0.06	0.2%
TK.E4.R90	9.44	9.50	0.06	0.2%
TK.E4.R100	9.33	9.38	0.05	0.2%
TK.E4.R110	9.24	9.28	0.05	0.2%
TK.E4.R120	9.16	9.20	0.04	0.1%
TK.E4.R130	9.09	9.13	0.04	0.1%
TK.E4.R140	9.03	9.06	0.04	0.1%
TK.E4.R150	8.97	9.01	0.03	0.1%
TK.E4.R160	8.93	8.96	0.03	0.1%
TK.E4.R170	8.88	8.91	0.03	0.1%
TK.E4.R180	8.85	8.87	0.03	0.1%
TK.E4.R190	8.81	8.84	0.03	0.1%
TK.E4.R200	8.78	8.81	0.02	0.1%

Table 8h.102: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (Breedon and Cloud Wood Quarry)

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PC	2028 Stage 1b+ Construction Traffic (µg/m <sup>3</sup> ) PC		
TK.E4.R0	2.18	2.25	0.07	0.1%
TK.E4.R2	1.95	2.01	0.06	0.1%
TK.E4.R5	1.69	1.74	0.06	0.1%
TK.E4.R10	1.39	1.43	0.05	0.1%
TK.E4.R20	1.03	1.07	0.04	0.1%
TK.E4.R30	0.83	0.86	0.03	0.0%
TK.E4.R40	0.69	0.72	0.03	0.0%
TK.E4.R50	0.60	0.62	0.02	0.0%
TK.E4.R60	0.53	0.55	0.02	0.0%
TK.E4.R70	0.48	0.49	0.02	0.0%
TK.E4.R80	0.43	0.45	0.02	0.0%
TK.E4.R90	0.40	0.41	0.01	0.0%
TK.E4.R100	0.37	0.38	0.01	0.0%
TK.E4.R110	0.35	0.36	0.01	0.0%
TK.E4.R120	0.33	0.34	0.01	0.0%
TK.E4.R130	0.31	0.32	0.01	0.0%
TK.E4.R140	0.29	0.30	0.01	0.0%
TK.E4.R150	0.28	0.29	0.01	0.0%
TK.E4.R160	0.27	0.28	0.01	0.0%
TK.E4.R170	0.26	0.26	0.01	0.0%
TK.E4.R180	0.25	0.25	0.01	0.0%
TK.E4.R190	0.24	0.24	0.01	0.0%
TK.E4.R200	0.23	0.24	0.01	0.0%

**Table 8h.103: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (Breedon and Cloud Wood Quarry)**

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1b (µg/m <sup>3</sup> ) PEC	2028 Stage 1b + Construction Traffic (µg/m <sup>3</sup> ) PEC		
TK.E4.R0	2.05	2.06	0.01	0.97%
TK.E4.R2	2.02	2.03	0.01	0.91%
TK.E4.R5	1.98	1.98	0.01	0.84%
TK.E4.R10	1.93	1.94	0.01	0.74%
TK.E4.R20	1.87	1.88	0.01	0.59%
TK.E4.R30	1.84	1.84	0.00	0.48%
TK.E4.R40	1.82	1.82	0.00	0.40%
TK.E4.R50	1.80	1.81	0.00	0.34%
TK.E4.R60	1.79	1.79	0.00	0.30%
TK.E4.R70	1.78	1.79	0.00	0.26%
TK.E4.R80	1.78	1.78	0.00	0.23%
TK.E4.R90	1.77	1.77	0.00	0.21%
TK.E4.R100	1.77	1.77	0.00	0.19%
TK.E4.R110	1.76	1.76	0.00	0.17%
TK.E4.R120	1.76	1.76	0.00	0.16%
TK.E4.R130	1.76	1.76	0.00	0.15%
TK.E4.R140	1.75	1.76	0.00	0.14%
TK.E4.R150	1.75	1.75	0.00	0.13%
TK.E4.R160	1.75	1.75	0.00	0.12%
TK.E4.R170	1.75	1.75	0.00	0.11%
TK.E4.R180	1.75	1.75	0.00	0.10%
TK.E4.R190	1.75	1.75	0.00	0.09%
TK.E4.R200	1.74	1.74	0.00	0.09%

Table 8h.104: Predicted 2028 Total Acid Deposition (Breedon and Cloud Wood Quarry)

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1b (keq / ha / year) PEC	2028 Stage 1b + Construction Traffic (keq / ha / year) PEC		
TK.E4.R0	2.20	2.21	0.00	2.0%
TK.E4.R2	2.19	2.20	0.00	1.9%
TK.E4.R5	2.18	2.18	0.00	1.7%
TK.E4.R10	2.17	2.17	0.00	1.6%
TK.E4.R20	2.15	2.16	0.00	1.1%
TK.E4.R30	2.15	2.15	0.00	1.1%
TK.E4.R40	2.14	2.14	0.00	0.9%
TK.E4.R50	2.14	2.14	0.00	0.8%
TK.E4.R60	2.13	2.13	0.00	0.6%
TK.E4.R70	2.13	2.13	0.00	0.6%
TK.E4.R80	2.13	2.13	0.00	0.5%
TK.E4.R90	2.13	2.13	0.00	0.5%
TK.E4.R100	2.13	2.13	0.00	0.3%
TK.E4.R110	2.13	2.13	0.00	0.3%
TK.E4.R120	2.12	2.12	0.00	0.3%
TK.E4.R130	2.12	2.12	0.00	0.3%
TK.E4.R140	2.12	2.12	0.00	0.3%
TK.E4.R150	2.12	2.12	0.00	0.3%
TK.E4.R160	2.12	2.12	0.00	0.3%
TK.E4.R170	2.12	2.12	0.00	0.3%
TK.E4.R180	2.12	2.12	0.00	0.2%
TK.E4.R190	2.12	2.12	0.00	0.2%
TK.E4.R200	2.12	2.12	0.00	0.3%

Table 8h.105: Predicted 2028 Total Nitrogen Deposition (Breedon and Cloud Wood Quarry)

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1b (kg N / ha / year) PEC	2028 Stage 1b + Construction Traffic (kg N / ha / year) PEC		
TK.E4.R0	32.32	32.43	0.11	0.8%
TK.E4.R2	31.91	32.01	0.11	0.7%
TK.E4.R5	31.44	31.54	0.10	0.6%
TK.E4.R10	30.91	31.00	0.09	0.6%
TK.E4.R20	30.28	30.34	0.07	0.4%
TK.E4.R30	29.90	29.96	0.06	0.4%
TK.E4.R40	29.66	29.71	0.05	0.3%
TK.E4.R50	29.49	29.53	0.04	0.3%
TK.E4.R60	29.36	29.40	0.03	0.2%
TK.E4.R70	29.27	29.30	0.03	0.2%
TK.E4.R80	29.19	29.22	0.03	0.2%
TK.E4.R90	29.13	29.15	0.03	0.2%
TK.E4.R100	29.08	29.10	0.02	0.1%
TK.E4.R110	29.03	29.05	0.02	0.1%
TK.E4.R120	29.00	29.01	0.02	0.1%
TK.E4.R130	28.97	28.98	0.02	0.1%
TK.E4.R140	28.93	28.95	0.02	0.1%
TK.E4.R150	28.91	28.93	0.02	0.1%
TK.E4.R160	28.89	28.90	0.01	0.1%
TK.E4.R170	28.87	28.88	0.01	0.1%
TK.E4.R180	28.86	28.87	0.01	0.1%
TK.E4.R190	28.84	28.85	0.01	0.1%
TK.E4.R200	28.82	28.84	0.01	0.1%

**On-Site Veteran Trees**

**Table 8h.106: Predicted 2028 Annual Mean NO<sub>x</sub> Concentration Change (On-Site Veteran Trees)**

Receptor ID	NO <sub>x</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
20002	20.28	20.38	0.10	0.3%

**Table 8h.107: Predicted 2028 24-hour Mean NO<sub>x</sub> Concentration Change (On-Site Veteran Trees)**

Receptor ID	NO <sub>x</sub> 24-hour Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PC		
20002	2.18	2.20	0.03	0.0%

**Table 8h.108: Predicted 2028 Annual Mean NH<sub>3</sub> Concentration Change (On-Site Veteran Trees)**

Receptor ID	NH <sub>3</sub> Annual Mean Concentration		PC Difference (µg/m <sup>3</sup> )	% PC of Critical Level
	2028 Stage 1a (µg/m <sup>3</sup> ) PEC	2028 Stage 1a + Construction Traffic (µg/m <sup>3</sup> ) PEC		
20002	1.99	1.99	0.00	0.28%

**Table 8h.109: Predicted 2028 Total Acid Deposition (On-Site Veteran Trees)**

Receptor ID	Total Acid Deposition		PC Difference (keq / ha / year)	% PC of Critical Load
	2028 Stage 1a (keq / ha / year) PEC	2028 Stage 1a + Construction Traffic (keq / ha / year) PEC		
20002	2.17	2.17	0.00	0.4%

**Table 8h.110: Predicted 2028 Total Nitrogen Deposition (On-Site Veteran Trees)**

Receptor ID	Total Nitrogen Deposition		PC Difference (kg N / ha / year)	% PC of Critical Load
	2028 Stage 1a (kg N / ha / year) PEC	2028 Stage 1a + Construction Traffic (kg N / ha / year) PEC		
20002	32.04	32.07	0.03	0.3%

## Summary Tables for Worst-Case Scenarios

Summary Tables are provided below to assist in ease of reading the results. The results presented are the 'worst-case' results when considering the PC / PEC increase as a % of the critical level / load. To note, since no site exceeded the NO<sub>x</sub> 24-hour mean Critical Level, this has been excluded from all tables.

**Table 8h.111: Worst-Case Results (Oakley Wood SSSI – 2028 1b Vs 2b Scenario)**

Receptor ID	Receptor Location		Worst-Case Impacts (% of Critical Level / Load)			
	X (m)	Y (m)	Annual Mean No <sub>x</sub>	Annual Mean NH <sub>3</sub>	Total Acid Deposition	Total Nitrogen Deposition
MN.E1.R0	448333	321190.6	1.5%	6.0%	2.4%	3.5%
MN.E1.R2	448334.9	321191.2	1.4%	5.8%	2.3%	3.3%
MN.E1.R5	448337.8	321192.1	1.3%	5.4%	2.2%	3.1%
MN.E1.R10	448342.5	321193.7	1.2%	4.8%	2.0%	2.8%
MN.E1.R20	448352	321196.8	1.0%	4.0%	1.6%	2.4%
MN.E1.R30	448361.5	321199.9	0.9%	3.5%	1.5%	2.0%
MN.E1.R40	448371	321203	0.8%	3.0%	1.3%	1.8%
MN.E1.R50	448380.6	321206.1	0.7%	2.7%	1.2%	1.6%
MN.E1.R60	448390.1	321209.1	0.6%	2.4%	1.0%	1.4%
MN.E1.R70	448399.6	321212.2	0.6%	2.2%	1.0%	1.3%
MN.E1.R80	448409.1	321215.3	0.5%	2.0%	1.0%	1.2%
MN.E1.R90	448418.6	321218.4	0.5%	1.8%	0.8%	1.1%
MN.E1.R100	448428.1	321221.5	0.4%	1.7%	0.8%	1.0%
MN.E1.R110	448437.6	321224.6	0.4%	1.6%	0.7%	0.9%
MN.E1.R120	448447.1	321227.7	0.4%	1.5%	0.6%	0.9%
MN.E1.R130	448456.6	321230.8	0.4%	1.4%	0.6%	0.8%
MN.E1.R140	448466.1	321233.9	0.3%	1.3%	0.6%	0.8%
MN.E1.R150	448475.7	321237	0.3%	1.2%	0.5%	0.7%
MN.E1.R160	448485.2	321240	0.3%	1.1%	0.5%	0.7%
MN.E1.R170	448494.7	321243.1	0.3%	1.1%	0.6%	0.7%
MN.E1.R180	448504.2	321246.2	0.3%	1.0%	0.5%	0.6%
MN.E1.R190	448513.7	321249.3	0.3%	1.0%	0.5%	0.6%
MN.E1.R200	448523.2	321252.4	0.2%	0.9%	0.5%	0.6%

Table 8h.112: Worst-Case Results (Tonge Gorse – 2028 1a Vs 2a Scenario)

Receptor ID	Receptor Location		Worst-Case Impacts (% of Critical Level / Load)			
	X (m)	Y (m)	Annual Mean No <sub>x</sub>	Annual Mean NH <sub>3</sub>	Total Acid Deposition	Total Nitrogen Deposition
AB.E2.R0	443687.7	322460.1	4.9%	7.27%	6.7%	7.5%
AB.E2.R2	443686.5	322458.5	4.8%	7.06%	6.5%	7.3%
AB.E2.R5	443684.7	322456	4.6%	6.75%	6.2%	6.9%
AB.E2.R10	443681.8	322452	4.3%	6.22%	5.9%	6.4%
AB.E2.R20	443675.9	322443.9	3.8%	5.34%	5.2%	5.6%
AB.E2.R30	443670	322435.8	3.6%	4.90%	4.9%	5.1%
AB.E2.R40	443664.1	322427.7	3.5%	4.84%	4.9%	5.1%
AB.E2.R50	443658.3	322419.6	3.6%	5.19%	5.1%	5.4%
AB.E2.R60	443652.4	322411.5	4.2%	6.27%	6.0%	6.5%
AB.E3.R0	443671	322375.8	4.0%	6.13%	5.9%	6.4%
AB.E3.R2	443669.4	322374.6	3.7%	5.58%	5.4%	5.8%
AB.E3.R5	443667	322372.9	3.3%	4.93%	4.8%	5.1%
AB.E3.R10	443662.9	322369.9	2.8%	4.14%	4.1%	4.4%
AB.E3.R20	443654.8	322364	2.2%	3.16%	3.3%	3.4%
AB.E3.R30	443646.7	322358.2	1.8%	2.56%	2.7%	2.7%
AB.E3.R40	443638.6	322352.3	1.6%	2.16%	2.3%	2.3%
AB.E3.R50	443630.5	322346.4	1.4%	1.88%	2.0%	2.0%
AB.E3.R60	443622.5	322340.5	1.2%	1.67%	1.9%	1.8%
AB.E3.R70	443614.4	322334.7	1.1%	1.50%	1.8%	1.7%
AB.E3.R80	443606.3	322328.8	1.0%	1.37%	1.6%	1.5%
AB.E3.R90	443598.2	322322.9	1.0%	1.26%	1.5%	1.4%
AB.E3.R100	443590.1	322317	0.9%	1.17%	1.4%	1.3%
AB.E3.R110	443582	322311.1	0.9%	1.09%	1.3%	1.2%
AB.E3.R120	443573.9	322305.3	0.8%	1.02%	1.2%	1.1%
AB.E3.R130	443565.8	322299.4	0.8%	0.96%	1.1%	1.1%
AB.E3.R140	443557.7	322293.5	0.7%	0.91%	1.1%	1.0%
AB.E3.R150	443549.6	322287.6	0.7%	0.86%	1.0%	1.0%

Receptor ID	Receptor Location		Worst-Case Impacts (% of Critical Level / Load)			
	X (m)	Y (m)	Annual Mean No <sub>x</sub>	Annual Mean NH <sub>3</sub>	Total Acid Deposition	Total Nitrogen Deposition
AB.E3.R160	443541.6	322281.8	0.7%	0.82%	1.0%	0.9%
AB.E3.R170	443533.5	322275.9	0.6%	0.78%	0.9%	0.9%
AB.E3.R180	443525.4	322270	0.6%	0.74%	0.8%	0.8%
AB.E3.R190	443517.3	322264.1	0.6%	0.71%	0.9%	0.8%
AB.E3.R200	443509.2	322258.2	0.6%	0.68%	0.8%	0.8%

Table 8h.113: Worst-Case Results (Lount Meadows SSSI – 2028 1a Vs 2a Scenario)

Receptor ID	Receptor Location		Worst-Case Impacts (% of Critical Level / Load)			
	X (m)	Y (m)	Annual Mean No <sub>x</sub>	Annual Mean NH <sub>3</sub>	Total Acid Deposition	Total Nitrogen Deposition
TU.E3.R0	438758	319129	3.7%	1.42%	0.4%	2.6%
TU.E3.R2	438756	319129	3.5%	1.34%	0.3%	2.4%
TU.E3.R5	438753	319129	3.3%	1.24%	0.3%	2.3%
TU.E3.R10	438748	319129	3.0%	1.10%	0.3%	2.0%
TU.E3.R20	438738	319129	2.5%	0.89%	0.3%	1.7%
TU.E3.R30	438728	319129	2.1%	0.75%	0.2%	1.4%
TU.E3.R40	438718	319129	1.9%	0.64%	0.2%	1.2%
TU.E3.R50	438708	319129	1.7%	0.56%	0.2%	1.1%
TU.E3.R60	438698	319129	1.5%	0.50%	0.2%	1.0%
TU.E3.R70	438688	319129	1.4%	0.44%	0.2%	0.9%
TU.E3.R80	438678	319129	1.3%	0.40%	0.1%	0.8%
TU.E3.R90	438668	319129	1.2%	0.36%	0.1%	0.7%
TU.E3.R100	438658	319129	1.1%	0.33%	0.1%	0.7%
TU.E3.R110	438648	319129	1.0%	0.30%	0.1%	0.6%
TU.E3.R120	438638	319129	0.9%	0.28%	0.1%	0.6%
TU.E3.R130	438628	319129	0.9%	0.26%	0.1%	0.5%
TU.E3.R140	438618	319129	0.8%	0.24%	0.1%	0.5%
TU.E3.R150	438608	319129	0.8%	0.22%	0.1%	0.5%

Table 8h.114: Worst-Case Results (Breedon Cloud Wood and Quarry SSSI – 2028 1b Vs 2b Scenario)

Receptor ID	Receptor Location		Worst-Case Impacts (% of Critical Level / Load)			
	X (m)	Y (m)	Annual Mean No <sub>x</sub>	Annual Mean NH <sub>3</sub>	Total Acid Deposition	Total Nitrogen Deposition
TU.E4.R0	441986.5	321541.2	3.2%	3.96%	7.2%	2.9%
TU.E4.R2	441984.6	321540.6	2.9%	3.58%	6.4%	2.6%
TU.E4.R5	441981.7	321539.7	2.5%	3.14%	5.7%	2.3%
TU.E4.R10	441977	321538.1	2.1%	2.61%	4.7%	1.9%
TU.E4.R20	441967.5	321535	1.6%	1.96%	3.6%	1.5%
TU.E4.R30	441958	321531.9	1.2%	1.56%	2.8%	1.2%
TU.E4.R40	441948.5	321528.8	1.0%	1.28%	2.4%	1.0%
TU.E4.R50	441938.9	321525.7	0.9%	1.09%	2.0%	0.8%
TU.E4.R60	441929.4	321522.7	0.8%	0.94%	1.7%	0.7%
TU.E4.R70	441919.9	321519.6	0.7%	0.83%	1.6%	0.6%
TU.E4.R80	441910.4	321516.5	0.6%	0.74%	1.4%	0.6%
TU.E4.R90	441900.9	321513.4	0.5%	0.66%	1.3%	0.5%
TU.E4.R100	441891.4	321510.3	0.5%	0.60%	1.1%	0.4%
TU.E4.R110	441881.9	321507.2	0.4%	0.55%	1.1%	0.4%
TU.E4.R120	441872.4	321504.1	0.4%	0.51%	0.9%	0.4%
TU.E4.R130	441862.9	321501	0.4%	0.47%	0.8%	0.3%
TU.E4.R140	441853.3	321497.9	0.4%	0.44%	0.8%	0.3%
TU.E4.R150	441843.8	321494.8	0.3%	0.41%	0.8%	0.3%
TU.E4.R160	441834.3	321491.8	0.3%	0.38%	0.6%	0.3%
TU.E4.R170	441824.8	321488.7	0.3%	0.36%	0.6%	0.3%
TU.E4.R180	441815.3	321485.6	0.3%	0.34%	0.6%	0.3%
TU.E4.R190	441805.8	321482.5	0.3%	0.32%	0.6%	0.2%
TU.E4.R200	441796.3	321479.4	0.2%	0.30%	0.5%	0.2%

Table 8h.115: Worst-Case Results (March Covert Ancient Woodland – 2028 1b Vs 2b Scenario)

Receptor ID	Receptor Location		Worst-Case Impacts (% of Critical Level / Load)			
	X (m)	Y (m)	Annual Mean No <sub>x</sub>	Annual Mean NH <sub>3</sub>	Total Acid Deposition	Total Nitrogen Deposition
CD.E1.R0	447975	327938.6	2.1%	1.88%	2.6%	2.2%
CD.E1.R2	447974.4	327940.5	2.0%	1.76%	2.5%	2.1%
CD.E1.R5	447973.5	327943.4	1.8%	1.61%	2.3%	1.9%
CD.E1.R10	447971.9	327948.2	1.6%	1.40%	2.1%	1.7%
CD.E1.R20	447968.8	327957.7	1.2%	1.11%	1.7%	1.4%
CD.E1.R30	447965.9	327966.6	1.0%	0.93%	1.4%	1.1%
CD.E1.R40	447962.7	327976.7	0.9%	0.78%	1.1%	0.9%
CD.E1.R50	447959.6	327986.2	0.8%	0.68%	1.0%	0.8%
CD.E1.R60	447956.5	327995.7	0.7%	0.60%	0.9%	0.7%
CD.E1.R70	447953.4	328005.2	0.6%	0.53%	0.8%	0.6%
CD.E1.R80	447950.3	328014.7	0.5%	0.48%	0.7%	0.6%
CD.E1.R90	447947.2	328024.2	0.5%	0.44%	0.7%	0.5%
CD.E1.R100	447944.1	328033.8	0.4%	0.40%	0.6%	0.5%
CD.E1.R110	447941	328043.3	0.4%	0.37%	0.5%	0.4%
CD.E1.R120	447937.9	328052.8	0.4%	0.34%	0.5%	0.4%
CD.E1.R130	447934.8	328062.3	0.3%	0.32%	0.4%	0.4%
CD.E1.R140	447931.8	328071.8	0.3%	0.30%	0.4%	0.3%
CD.E1.R150	447928.7	328081.3	0.3%	0.28%	0.4%	0.3%
CD.E1.R160	447925.6	328090.8	0.3%	0.26%	0.4%	0.3%
CD.E1.R170	447922.5	328100.3	0.3%	0.25%	0.4%	0.3%
CD.E1.R180	447919.4	328109.8	0.2%	0.23%	0.4%	0.3%
CD.E1.R190	447916.3	328119.3	0.2%	0.22%	0.4%	0.3%
CD.E1.R200	447913.2	328128.8	0.2%	0.21%	0.3%	0.3%

**Table 8h.116: Worst-Case Results (On-Site Veteran Trees and Off-site Ancient Trees – 2028 1b Vs 2b Scenario)**

Receptor ID	Receptor Location		Worst-Case Impacts (% of Critical Level / Load)			
	X (m)	Y (m)	Annual Mean No <sub>x</sub>	Annual Mean NH <sub>3</sub>	Total Acid Deposition	Total Nitrogen Deposition
20002	446666.8	325344.9	7.4%	8.70%	10.7%	9.8%
20008	446929	328316	0.2%	1.96%	0.4%	1.6%
20009	446884	328152	0.1%	1.19%	0.3%	1.0%
2000A	446804	328220	0.4%	4.72%	1.0%	3.9%
2000B	446834	328099	0.1%	1.15%	0.2%	0.9%
2000C	446881	328162	0.1%	1.29%	0.2%	1.0%
2000D	446814	328096	0.1%	1.29%	0.2%	1.0%
20012	446892	328253	0.2%	1.96%	0.4%	1.6%
20013	446882	328057	0.0%	0.65%	0.2%	0.5%