



UNIVERSAL DESTINATIONS & EXPERIENCES UK PROJECT

Former Kempston Hardwick Brickworks
and adjoining land, Bedford

Environmental Statement Volume 3

Appendix 8.8 - Results for Ecological Receptors

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1 RESULTS FOR ECOLOGICAL RECEPTORS

Table 1-1 - Annual Mean NOx Concentrations (µg/m³)

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
1_0	Maulden Wood and Pennyfather's Hills (SSSI/AW)	30	34.36	17.69	10.19	9.63	16.34	9.69	9.20	18.13	10.36	9.81	0.44	1.45%	0.18	0.59%	0.18	0.59%	1.78	5.94%	0.67	2.24%	0.61	2.02%
1_10		30	25.33	13.82	8.63	8.27	12.96	8.31	8.00	14.10	8.74	8.39	0.28	0.94%	0.11	0.38%	0.11	0.38%	1.14	3.81%	0.43	1.44%	0.39	1.30%
1_20		30	20.54	11.77	7.80	7.55	11.16	7.57	7.36	11.97	7.88	7.63	0.20	0.67%	0.08	0.27%	0.08	0.27%	0.81	2.69%	0.30	1.01%	0.27	0.91%
1_30		30	17.99	10.68	7.36	7.17	10.21	7.18	7.02	10.84	7.42	7.23	0.16	0.52%	0.06	0.22%	0.06	0.22%	0.63	2.09%	0.24	0.79%	0.21	0.71%
1_40		30	16.40	10.00	7.09	6.93	9.62	6.94	6.81	10.13	7.14	6.98	0.13	0.43%	0.05	0.18%	0.05	0.18%	0.52	1.72%	0.19	0.65%	0.18	0.58%
1_50		30	15.32	9.54	6.90	6.77	9.21	6.78	6.66	9.65	6.94	6.81	0.11	0.37%	0.05	0.15%	0.05	0.15%	0.44	1.46%	0.17	0.55%	0.15	0.50%
1_60		30	14.54	9.21	6.76	6.65	8.92	6.66	6.56	9.30	6.80	6.69	0.10	0.33%	0.04	0.14%	0.04	0.14%	0.38	1.28%	0.14	0.48%	0.13	0.44%
1_70		30	13.94	8.95	6.66	6.56	8.70	6.57	6.48	9.04	6.70	6.60	0.09	0.29%	0.04	0.12%	0.04	0.12%	0.34	1.14%	0.13	0.43%	0.12	0.39%
1_80		30	13.47	8.75	6.58	6.49	8.52	6.50	6.42	8.83	6.61	6.52	0.08	0.27%	0.03	0.11%	0.03	0.11%	0.31	1.03%	0.12	0.39%	0.11	0.35%
1_90		30	13.09	8.59	6.52	6.43	8.38	6.44	6.37	8.66	6.55	6.46	0.07	0.24%	0.03	0.10%	0.03	0.10%	0.28	0.94%	0.11	0.35%	0.10	0.32%
1_100		30	12.78	8.46	6.46	6.39	8.27	6.39	6.33	8.53	6.49	6.42	0.07	0.23%	0.03	0.10%	0.03	0.10%	0.26	0.87%	0.10	0.33%	0.09	0.30%
1_110		30	12.52	8.35	6.42	6.35	8.17	6.35	6.29	8.41	6.45	6.38	0.06	0.21%	0.03	0.09%	0.03	0.09%	0.24	0.81%	0.09	0.30%	0.08	0.28%
1_120		30	12.30	8.25	6.38	6.32	8.09	6.32	6.26	8.31	6.41	6.34	0.06	0.20%	0.03	0.09%	0.03	0.09%	0.23	0.75%	0.09	0.28%	0.08	0.26%
1_130		30	12.11	8.17	6.35	6.29	8.02	6.29	6.24	8.23	6.37	6.31	0.06	0.19%	0.02	0.08%	0.02	0.08%	0.21	0.71%	0.08	0.27%	0.07	0.24%
1_140		30	11.94	8.10	6.32	6.26	7.96	6.27	6.22	8.16	6.34	6.29	0.05	0.18%	0.02	0.08%	0.02	0.08%	0.20	0.67%	0.08	0.25%	0.07	0.23%
1_150		30	11.80	8.04	6.30	6.24	7.90	6.25	6.20	8.09	6.32	6.26	0.05	0.17%	0.02	0.07%	0.02	0.07%	0.19	0.64%	0.07	0.24%	0.07	0.22%
1_160		30	11.67	7.99	6.28	6.22	7.85	6.23	6.18	8.04	6.30	6.24	0.05	0.16%	0.02	0.07%	0.02	0.07%	0.18	0.61%	0.07	0.23%	0.06	0.21%
1_170		30	11.55	7.94	6.26	6.21	7.81	6.21	6.17	7.99	6.28	6.23	0.05	0.16%	0.02	0.07%	0.02	0.07%	0.17	0.58%	0.07	0.22%	0.06	0.20%
1_180		30	11.45	7.90	6.24	6.19	7.77	6.19	6.15	7.94	6.26	6.21	0.05	0.15%	0.02	0.07%	0.02	0.07%	0.17	0.56%	0.06	0.21%	0.06	0.19%
1_190		30	11.36	7.86	6.22	6.18	7.74	6.18	6.14	7.90	6.24	6.20	0.04	0.15%	0.02	0.06%	0.02	0.06%	0.16	0.53%	0.06	0.20%	0.06	0.18%
1_200		30	11.28	7.82	6.21	6.16	7.71	6.17	6.13	7.86	6.23	6.18	0.04	0.14%	0.02	0.06%	0.02	0.06%	0.15	0.51%	0.06	0.20%	0.05	0.18%
2_0		30	41.54	20.74	11.41	10.70	19.01	10.77	10.14	20.97	11.50	10.81	0.24	0.78%	0.11	0.37%	0.11	0.37%	1.96	6.54%	0.73	2.43%	0.66	2.21%

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
2_10		30	26.74	14.40	8.85	8.47	13.46	8.50	8.17	14.62	8.94	8.56	0.22	0.73%	0.09	0.31%	0.09	0.31%	1.16	3.85%	0.43	1.44%	0.39	1.30%
2_20		30	21.15	12.01	7.89	7.63	11.38	7.66	7.43	12.19	7.96	7.70	0.17	0.57%	0.07	0.24%	0.07	0.24%	0.81	2.70%	0.30	1.01%	0.27	0.91%
2_30		30	18.36	10.83	7.42	7.22	10.34	7.24	7.06	10.97	7.47	7.28	0.14	0.47%	0.06	0.20%	0.06	0.20%	0.63	2.10%	0.24	0.79%	0.21	0.71%
2_40		30	16.68	10.11	7.13	6.97	9.71	6.98	6.84	10.23	7.18	7.02	0.12	0.40%	0.05	0.17%	0.05	0.17%	0.52	1.73%	0.19	0.65%	0.18	0.59%
2_50		30	15.54	9.63	6.94	6.80	9.29	6.81	6.69	9.74	6.98	6.84	0.10	0.35%	0.04	0.15%	0.04	0.15%	0.44	1.48%	0.17	0.55%	0.15	0.50%
2_60		30	14.73	9.28	6.80	6.68	8.99	6.69	6.58	9.38	6.83	6.72	0.09	0.31%	0.04	0.13%	0.04	0.13%	0.39	1.29%	0.15	0.49%	0.13	0.44%
2_70		30	14.11	9.02	6.69	6.58	8.76	6.60	6.50	9.11	6.73	6.62	0.08	0.28%	0.04	0.12%	0.04	0.12%	0.35	1.15%	0.13	0.43%	0.12	0.39%
2_80		30	13.63	8.82	6.61	6.51	8.58	6.52	6.44	8.90	6.64	6.55	0.08	0.26%	0.03	0.11%	0.03	0.11%	0.31	1.04%	0.12	0.39%	0.11	0.36%
2_90		30	13.24	8.65	6.54	6.46	8.44	6.46	6.39	8.72	6.57	6.49	0.07	0.24%	0.03	0.10%	0.03	0.10%	0.29	0.96%	0.11	0.36%	0.10	0.33%
2_100		30	12.92	8.52	6.49	6.41	8.32	6.42	6.35	8.58	6.52	6.44	0.07	0.22%	0.03	0.09%	0.03	0.09%	0.27	0.88%	0.10	0.33%	0.09	0.30%
2_110		30	12.65	8.40	6.44	6.37	8.22	6.38	6.31	8.47	6.47	6.39	0.06	0.21%	0.03	0.09%	0.03	0.09%	0.25	0.82%	0.09	0.31%	0.08	0.28%
2_120		30	12.42	8.31	6.40	6.33	8.14	6.34	6.28	8.37	6.43	6.36	0.06	0.20%	0.03	0.08%	0.03	0.08%	0.23	0.77%	0.09	0.29%	0.08	0.26%
2_130		30	12.23	8.22	6.37	6.31	8.06	6.31	6.25	8.28	6.39	6.33	0.06	0.19%	0.02	0.08%	0.02	0.08%	0.22	0.73%	0.08	0.27%	0.07	0.25%
2_140		30	12.06	8.15	6.34	6.28	8.00	6.29	6.23	8.20	6.36	6.30	0.05	0.18%	0.02	0.08%	0.02	0.08%	0.21	0.69%	0.08	0.26%	0.07	0.24%
2_150		30	11.91	8.09	6.32	6.26	7.94	6.26	6.21	8.14	6.34	6.28	0.05	0.17%	0.02	0.07%	0.02	0.07%	0.20	0.65%	0.07	0.25%	0.07	0.22%
2_160		30	11.77	8.03	6.29	6.24	7.89	6.24	6.20	8.08	6.31	6.26	0.05	0.16%	0.02	0.07%	0.02	0.07%	0.19	0.62%	0.07	0.23%	0.06	0.21%
2_170		30	11.65	7.98	6.27	6.22	7.85	6.22	6.18	8.03	6.29	6.24	0.05	0.15%	0.02	0.07%	0.02	0.07%	0.18	0.59%	0.07	0.22%	0.06	0.20%
2_180		30	11.55	7.93	6.25	6.20	7.81	6.21	6.17	7.98	6.27	6.22	0.04	0.15%	0.02	0.06%	0.02	0.06%	0.17	0.57%	0.06	0.21%	0.06	0.19%
2_190		30	11.45	7.89	6.24	6.19	7.77	6.19	6.15	7.94	6.26	6.21	0.04	0.14%	0.02	0.06%	0.02	0.06%	0.16	0.54%	0.06	0.21%	0.06	0.19%
2_200		30	11.36	7.86	6.22	6.18	7.74	6.18	6.14	7.90	6.24	6.19	0.04	0.14%	0.02	0.06%	0.02	0.06%	0.16	0.52%	0.06	0.20%	0.05	0.18%
3_0		30	45.46	22.42	12.08	11.28	20.49	11.36	10.67	23.04	12.32	11.53	0.62	2.07%	0.25	0.83%	0.25	0.83%	2.55	8.50%	0.96	3.19%	0.86	2.88%
3_10		30	26.18	14.15	8.74	8.37	13.25	8.41	8.08	14.44	8.85	8.48	0.29	0.97%	0.12	0.39%	0.12	0.39%	1.19	3.97%	0.44	1.47%	0.40	1.33%
3_20		30	20.72	11.82	7.80	7.55	11.21	7.58	7.36	12.01	7.87	7.63	0.20	0.66%	0.08	0.26%	0.08	0.26%	0.81	2.69%	0.30	0.99%	0.27	0.89%
3_30		30	17.98	10.65	7.33	7.14	10.19	7.16	7.00	10.80	7.39	7.20	0.15	0.51%	0.06	0.20%	0.06	0.20%	0.61	2.05%	0.23	0.75%	0.20	0.68%

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
3_40		30	16.31	9.94	7.04	6.89	9.57	6.91	6.78	10.06	7.09	6.94	0.12	0.41%	0.05	0.16%	0.05	0.16%	0.50	1.66%	0.18	0.61%	0.16	0.55%
3_50		30	15.19	9.47	6.85	6.72	9.15	6.74	6.63	9.57	6.89	6.77	0.11	0.35%	0.04	0.14%	0.04	0.14%	0.42	1.40%	0.15	0.51%	0.14	0.46%
3_60		30	14.39	9.12	6.72	6.61	8.85	6.62	6.52	9.22	6.75	6.64	0.09	0.30%	0.04	0.12%	0.04	0.12%	0.36	1.21%	0.13	0.44%	0.12	0.39%
3_70		30	13.78	8.87	6.61	6.52	8.63	6.53	6.44	8.95	6.64	6.55	0.08	0.27%	0.03	0.11%	0.03	0.11%	0.32	1.07%	0.12	0.39%	0.10	0.35%
3_80		30	13.31	8.67	6.53	6.45	8.45	6.46	6.38	8.74	6.56	6.48	0.07	0.24%	0.03	0.10%	0.03	0.10%	0.29	0.96%	0.10	0.35%	0.09	0.31%
3_90		30	12.92	8.50	6.47	6.39	8.31	6.40	6.33	8.57	6.49	6.42	0.07	0.22%	0.03	0.09%	0.03	0.09%	0.26	0.87%	0.09	0.31%	0.08	0.28%
3_100		30	12.61	8.37	6.42	6.34	8.19	6.35	6.29	8.43	6.44	6.37	0.06	0.20%	0.02	0.08%	0.02	0.08%	0.24	0.79%	0.09	0.29%	0.08	0.26%
3_110		30	12.34	8.26	6.37	6.31	8.10	6.31	6.26	8.32	6.39	6.33	0.06	0.19%	0.02	0.08%	0.02	0.08%	0.22	0.73%	0.08	0.26%	0.07	0.24%
3_120		30	12.12	8.16	6.33	6.27	8.01	6.28	6.23	8.22	6.35	6.29	0.05	0.18%	0.02	0.07%	0.02	0.07%	0.20	0.68%	0.07	0.25%	0.07	0.22%
3_130		30	11.92	8.08	6.30	6.24	7.94	6.25	6.20	8.13	6.32	6.26	0.05	0.17%	0.02	0.07%	0.02	0.07%	0.19	0.64%	0.07	0.23%	0.06	0.21%
3_140		30	11.75	8.01	6.27	6.22	7.88	6.23	6.18	8.06	6.29	6.24	0.05	0.16%	0.02	0.06%	0.02	0.06%	0.18	0.60%	0.06	0.21%	0.06	0.19%
3_150		30	11.61	7.95	6.25	6.20	7.82	6.20	6.16	7.99	6.27	6.22	0.04	0.15%	0.02	0.06%	0.02	0.06%	0.17	0.56%	0.06	0.20%	0.05	0.18%
3_160		30	11.47	7.89	6.23	6.18	7.77	6.19	6.14	7.93	6.24	6.20	0.04	0.14%	0.02	0.06%	0.02	0.06%	0.16	0.53%	0.06	0.19%	0.05	0.17%
3_170		30	11.35	7.84	6.21	6.16	7.73	6.17	6.13	7.88	6.22	6.18	0.04	0.13%	0.02	0.06%	0.02	0.06%	0.15	0.51%	0.05	0.18%	0.05	0.16%
3_180		30	11.25	7.80	6.19	6.15	7.69	6.15	6.12	7.83	6.20	6.16	0.04	0.13%	0.02	0.05%	0.02	0.05%	0.14	0.48%	0.05	0.17%	0.05	0.16%
3_190		30	11.15	7.76	6.17	6.13	7.66	6.14	6.10	7.79	6.19	6.15	0.04	0.12%	0.02	0.05%	0.02	0.05%	0.14	0.46%	0.05	0.17%	0.04	0.15%
3_200		30	11.07	7.72	6.16	6.12	7.62	6.13	6.09	7.75	6.17	6.13	0.04	0.12%	0.01	0.05%	0.01	0.05%	0.13	0.44%	0.05	0.16%	0.04	0.14%
4_0	Stewartby Lake (CWS)	30	39.27	19.68	11.64	11.09	18.58	11.25	10.76	20.62	12.07	11.61	0.94	3.13%	0.52	1.73%	0.52	1.73%	2.04	6.80%	0.81	2.72%	0.84	2.81%
4_10		30	37.31	18.87	11.30	10.79	17.86	10.95	10.49	19.76	11.71	11.28	0.89	2.97%	0.49	1.63%	0.49	1.63%	1.91	6.36%	0.76	2.54%	0.79	2.63%
4_20		30	35.00	17.93	10.90	10.44	17.01	10.58	10.17	18.76	11.28	10.89	0.83	2.77%	0.45	1.51%	0.45	1.51%	1.75	5.82%	0.70	2.33%	0.72	2.42%
4_30		30	33.07	17.14	10.57	10.15	16.30	10.28	9.90	17.92	10.93	10.57	0.78	2.58%	0.42	1.40%	0.42	1.40%	1.61	5.38%	0.65	2.16%	0.67	2.23%
4_40		30	31.44	16.48	10.30	9.90	15.71	10.03	9.67	17.20	10.63	10.29	0.73	2.42%	0.39	1.31%	0.39	1.31%	1.50	4.99%	0.60	2.01%	0.62	2.08%
4_50		30	30.03	15.91	10.06	9.69	15.19	9.81	9.48	16.59	10.37	10.06	0.68	2.28%	0.37	1.23%	0.37	1.23%	1.40	4.67%	0.56	1.88%	0.58	1.94%
4_60		30	28.81	15.42	9.85	9.51	14.75	9.62	9.31	16.06	10.15	9.86	0.65	2.15%	0.35	1.16%	0.35	1.16%	1.31	4.38%	0.53	1.77%	0.55	1.82%

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
4_70		30	27.75	14.99	9.67	9.35	14.36	9.45	9.16	15.60	9.95	9.68	0.61	2.04%	0.33	1.09%	0.33	1.09%	1.24	4.13%	0.50	1.67%	0.52	1.72%
4_80		30	26.80	14.61	9.52	9.21	14.02	9.31	9.03	15.19	9.78	9.52	0.58	1.93%	0.31	1.04%	0.31	1.04%	1.17	3.91%	0.47	1.58%	0.49	1.63%
4_90		30	25.95	14.27	9.37	9.08	13.71	9.18	8.92	14.82	9.63	9.38	0.55	1.84%	0.30	0.99%	0.30	0.99%	1.11	3.71%	0.45	1.50%	0.46	1.55%
4_100		30	25.20	13.97	9.25	8.97	13.43	9.06	8.81	14.49	9.49	9.25	0.53	1.76%	0.28	0.94%	0.28	0.94%	1.06	3.54%	0.43	1.43%	0.44	1.47%
4_110		30	24.51	13.70	9.13	8.87	13.19	8.95	8.72	14.20	9.36	9.14	0.50	1.68%	0.27	0.90%	0.27	0.90%	1.01	3.38%	0.41	1.37%	0.42	1.41%
4_120		30	23.89	13.45	9.03	8.78	12.96	8.86	8.63	13.93	9.25	9.04	0.48	1.61%	0.26	0.86%	0.26	0.86%	0.97	3.24%	0.39	1.31%	0.40	1.35%
4_130		30	23.33	13.22	8.94	8.69	12.75	8.77	8.55	13.69	9.15	8.94	0.46	1.54%	0.25	0.83%	0.25	0.83%	0.93	3.10%	0.38	1.26%	0.39	1.29%
4_140		30	22.81	13.02	8.85	8.62	12.57	8.69	8.48	13.46	9.05	8.86	0.45	1.48%	0.24	0.80%	0.24	0.80%	0.90	2.98%	0.36	1.21%	0.37	1.24%
4_150		30	22.33	12.83	8.77	8.55	12.39	8.62	8.42	13.25	8.97	8.78	0.43	1.43%	0.23	0.77%	0.23	0.77%	0.86	2.87%	0.35	1.16%	0.36	1.20%
4_160		30	21.89	12.65	8.70	8.48	12.23	8.55	8.36	13.06	8.89	8.70	0.41	1.38%	0.22	0.74%	0.22	0.74%	0.83	2.77%	0.34	1.12%	0.35	1.15%
4_170		30	21.49	12.49	8.63	8.42	12.08	8.49	8.30	12.89	8.81	8.64	0.40	1.33%	0.21	0.71%	0.21	0.71%	0.80	2.68%	0.33	1.09%	0.33	1.11%
4_180		30	21.11	12.34	8.57	8.37	11.95	8.43	8.25	12.73	8.74	8.57	0.39	1.29%	0.21	0.69%	0.21	0.69%	0.78	2.59%	0.32	1.05%	0.32	1.08%
4_190		30	20.76	12.20	8.51	8.31	11.82	8.37	8.20	12.57	8.68	8.52	0.37	1.24%	0.20	0.67%	0.20	0.67%	0.75	2.51%	0.31	1.02%	0.31	1.04%
4_200		30	20.43	12.07	8.45	8.27	11.70	8.32	8.16	12.43	8.62	8.46	0.36	1.21%	0.19	0.65%	0.19	0.65%	0.73	2.43%	0.30	0.99%	0.30	1.01%
5_0		30	29.88	16.45	10.43	10.08	15.31	10.13	9.84	16.40	10.47	10.15	-0.05	-0.18%	0.07	0.23%	0.07	0.23%	1.09	3.62%	0.33	1.11%	0.30	1.01%
5_10		30	21.40	12.83	8.84	8.63	12.12	8.63	8.46	12.91	8.90	8.72	0.08	0.27%	0.09	0.29%	0.09	0.29%	0.79	2.64%	0.28	0.93%	0.26	0.86%
5_20		30	18.23	11.41	8.21	8.06	10.93	8.06	7.94	11.52	8.28	8.15	0.11	0.38%	0.08	0.28%	0.08	0.28%	0.59	1.97%	0.22	0.72%	0.20	0.67%
5_30		30	16.99	10.85	7.96	7.84	10.46	7.84	7.74	10.97	8.03	7.92	0.12	0.41%	0.08	0.28%	0.08	0.28%	0.51	1.70%	0.19	0.63%	0.18	0.60%
5_40		30	16.33	10.55	7.83	7.72	10.22	7.73	7.63	10.68	7.90	7.80	0.13	0.43%	0.08	0.27%	0.08	0.27%	0.46	1.55%	0.18	0.58%	0.17	0.56%
5_50		30	15.92	10.37	7.75	7.65	10.06	7.65	7.57	10.50	7.82	7.73	0.13	0.44%	0.08	0.27%	0.08	0.27%	0.44	1.46%	0.17	0.56%	0.16	0.53%
5_60		30	15.64	10.24	7.69	7.60	9.96	7.60	7.52	10.37	7.76	7.68	0.14	0.45%	0.08	0.27%	0.08	0.27%	0.42	1.39%	0.16	0.53%	0.15	0.51%
5_70		30	15.44	10.15	7.65	7.56	9.88	7.57	7.49	10.28	7.72	7.64	0.14	0.46%	0.08	0.27%	0.08	0.27%	0.40	1.34%	0.16	0.52%	0.15	0.50%
5_80		30	15.28	10.08	7.62	7.53	9.82	7.54	7.46	10.22	7.69	7.61	0.14	0.46%	0.08	0.27%	0.08	0.27%	0.39	1.31%	0.15	0.51%	0.15	0.49%
5_90		30	15.16	10.02	7.60	7.51	9.78	7.52	7.45	10.16	7.67	7.59	0.14	0.46%	0.08	0.27%	0.08	0.27%	0.38	1.28%	0.15	0.50%	0.15	0.48%

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
5_100		30	15.07	9.98	7.58	7.49	9.74	7.50	7.43	10.12	7.65	7.57	0.14	0.47%	0.08	0.27%	0.08	0.27%	0.38	1.25%	0.15	0.49%	0.14	0.48%
5_110		30	14.99	9.94	7.56	7.48	9.71	7.49	7.42	10.08	7.63	7.56	0.14	0.47%	0.08	0.27%	0.08	0.27%	0.37	1.23%	0.15	0.48%	0.14	0.47%
5_120		30	14.92	9.91	7.55	7.47	9.69	7.48	7.41	10.05	7.62	7.55	0.14	0.47%	0.08	0.27%	0.08	0.27%	0.36	1.22%	0.14	0.48%	0.14	0.47%
5_130		30	14.86	9.89	7.54	7.46	9.67	7.47	7.40	10.03	7.61	7.54	0.14	0.47%	0.08	0.27%	0.08	0.27%	0.36	1.20%	0.14	0.47%	0.14	0.46%
5_140		30	14.82	9.86	7.53	7.45	9.65	7.46	7.39	10.01	7.60	7.53	0.14	0.47%	0.08	0.27%	0.08	0.27%	0.36	1.19%	0.14	0.47%	0.14	0.46%
5_150		30	14.78	9.85	7.52	7.44	9.63	7.45	7.38	9.99	7.59	7.52	0.14	0.47%	0.08	0.27%	0.08	0.27%	0.35	1.18%	0.14	0.47%	0.14	0.46%
5_160		30	14.74	9.83	7.51	7.43	9.62	7.44	7.38	9.97	7.58	7.51	0.14	0.47%	0.08	0.27%	0.08	0.27%	0.35	1.17%	0.14	0.46%	0.14	0.45%
5_170		30	14.71	9.81	7.51	7.43	9.61	7.44	7.37	9.96	7.58	7.51	0.14	0.48%	0.08	0.27%	0.08	0.27%	0.35	1.16%	0.14	0.46%	0.13	0.45%
5_180		30	14.68	9.80	7.50	7.42	9.60	7.43	7.37	9.94	7.57	7.50	0.14	0.48%	0.08	0.27%	0.08	0.27%	0.34	1.15%	0.14	0.46%	0.13	0.45%
5_190		30	14.66	9.79	7.49	7.42	9.59	7.43	7.36	9.93	7.57	7.50	0.14	0.48%	0.08	0.26%	0.08	0.26%	0.34	1.14%	0.14	0.45%	0.13	0.45%
5_200		30	14.63	9.78	7.49	7.41	9.58	7.43	7.36	9.92	7.56	7.49	0.14	0.48%	0.08	0.26%	0.08	0.26%	0.34	1.13%	0.14	0.45%	0.13	0.44%
6_0	Rookery Clay Pit (CWS)	30	13.64	9.33	7.27	7.20	9.15	7.23	7.17	9.42	7.32	7.25	0.09	0.29%	0.05	0.16%	0.05	0.16%	0.26	0.87%	0.09	0.28%	0.08	0.25%
6_10		30	13.58	9.30	7.26	7.19	9.13	7.22	7.16	9.39	7.31	7.24	0.09	0.29%	0.05	0.16%	0.05	0.16%	0.26	0.87%	0.09	0.28%	0.08	0.25%
6_20		30	13.30	9.19	7.21	7.15	9.03	7.17	7.12	9.28	7.26	7.20	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.26	0.85%	0.09	0.29%	0.08	0.26%
6_30		30	13.09	9.11	7.18	7.12	8.95	7.14	7.09	9.20	7.22	7.16	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.25	0.84%	0.09	0.29%	0.08	0.26%
6_40		30	12.93	9.05	7.15	7.09	8.89	7.11	7.06	9.14	7.20	7.14	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.25	0.82%	0.09	0.29%	0.08	0.26%
6_50		30	12.81	9.00	7.13	7.07	8.85	7.09	7.04	9.09	7.18	7.12	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.24	0.81%	0.09	0.29%	0.08	0.26%
6_60		30	12.71	8.96	7.11	7.06	8.81	7.07	7.03	9.05	7.16	7.10	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.24	0.80%	0.09	0.29%	0.08	0.26%
6_70		30	12.62	8.92	7.10	7.04	8.78	7.06	7.01	9.01	7.14	7.09	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.24	0.79%	0.09	0.29%	0.08	0.26%
6_80		30	12.54	8.89	7.08	7.03	8.75	7.05	7.00	8.98	7.13	7.08	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.24	0.78%	0.09	0.28%	0.08	0.26%
6_90		30	12.48	8.87	7.07	7.02	8.72	7.03	6.99	8.96	7.12	7.07	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.23	0.78%	0.09	0.28%	0.08	0.26%
6_100		30	12.42	8.85	7.06	7.01	8.70	7.02	6.98	8.93	7.11	7.06	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.23	0.77%	0.08	0.28%	0.08	0.26%
6_110		30	12.37	8.83	7.05	7.00	8.69	7.02	6.97	8.91	7.10	7.05	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.23	0.76%	0.08	0.28%	0.08	0.26%
6_120		30	12.33	8.81	7.05	7.00	8.67	7.01	6.97	8.90	7.09	7.05	0.09	0.30%	0.05	0.16%	0.05	0.16%	0.23	0.76%	0.08	0.28%	0.08	0.26%

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
6_130		30	12.29	8.79	7.04	6.99	8.65	7.00	6.96	8.88	7.09	7.04	0.09	0.29%	0.05	0.16%	0.05	0.16%	0.22	0.75%	0.08	0.28%	0.08	0.26%
6_140		30	12.25	8.77	7.03	6.98	8.64	6.99	6.95	8.86	7.08	7.03	0.09	0.29%	0.05	0.16%	0.05	0.16%	0.22	0.74%	0.08	0.28%	0.08	0.26%
6_150		30	12.21	8.76	7.03	6.98	8.63	6.99	6.95	8.85	7.07	7.03	0.09	0.29%	0.05	0.16%	0.05	0.16%	0.22	0.74%	0.08	0.28%	0.08	0.26%
6_160		30	12.18	8.75	7.02	6.97	8.61	6.98	6.94	8.83	7.07	7.02	0.09	0.29%	0.05	0.16%	0.05	0.16%	0.22	0.73%	0.08	0.28%	0.08	0.26%
6_170		30	12.15	8.73	7.02	6.97	8.60	6.98	6.94	8.82	7.06	7.02	0.09	0.29%	0.05	0.16%	0.05	0.16%	0.22	0.73%	0.08	0.27%	0.08	0.26%
6_180		30	12.13	8.72	7.01	6.97	8.59	6.97	6.94	8.81	7.06	7.01	0.09	0.29%	0.05	0.16%	0.05	0.16%	0.22	0.72%	0.08	0.27%	0.08	0.26%
6_190		30	12.10	8.71	7.01	6.96	8.58	6.97	6.93	8.80	7.05	7.01	0.09	0.29%	0.05	0.16%	0.05	0.16%	0.21	0.72%	0.08	0.27%	0.08	0.26%
6_200		30	12.07	8.70	7.00	6.96	8.57	6.97	6.93	8.79	7.05	7.00	0.09	0.29%	0.05	0.15%	0.05	0.15%	0.21	0.71%	0.08	0.27%	0.08	0.25%
7_0	Quest Pit (CWS)	30	20.07	12.66	8.50	8.26	11.57	8.36	8.19	12.96	8.64	8.38	0.31	1.02%	0.12	0.38%	0.12	0.38%	1.39	4.64%	0.28	0.92%	0.19	0.62%
7_10		30	19.42	12.35	8.39	8.17	11.33	8.26	8.10	12.64	8.52	8.28	0.29	0.97%	0.11	0.37%	0.11	0.37%	1.31	4.37%	0.26	0.87%	0.18	0.59%
7_20		30	18.35	11.86	8.21	8.02	10.94	8.09	7.95	12.12	8.33	8.12	0.26	0.88%	0.10	0.34%	0.10	0.34%	1.18	3.94%	0.24	0.79%	0.16	0.54%
7_30		30	17.51	11.47	8.07	7.89	10.64	7.96	7.84	11.71	8.18	7.99	0.24	0.81%	0.09	0.31%	0.09	0.31%	1.08	3.60%	0.22	0.73%	0.15	0.50%
7_40		30	16.84	11.16	7.96	7.80	10.39	7.86	7.74	11.38	8.06	7.88	0.22	0.75%	0.09	0.29%	0.09	0.29%	1.00	3.32%	0.20	0.68%	0.14	0.48%
7_50		30	16.29	10.90	7.87	7.72	10.18	7.77	7.66	11.11	7.96	7.80	0.21	0.70%	0.08	0.28%	0.08	0.28%	0.93	3.09%	0.19	0.65%	0.14	0.46%
7_60		30	15.82	10.69	7.79	7.65	10.01	7.70	7.60	10.88	7.88	7.73	0.20	0.66%	0.08	0.26%	0.08	0.26%	0.87	2.90%	0.18	0.61%	0.13	0.44%
7_70		30	15.42	10.50	7.73	7.59	9.87	7.63	7.54	10.69	7.81	7.67	0.19	0.62%	0.07	0.25%	0.07	0.25%	0.82	2.73%	0.18	0.59%	0.13	0.43%
7_80		30	15.08	10.34	7.67	7.54	9.74	7.58	7.49	10.52	7.75	7.61	0.18	0.59%	0.07	0.24%	0.07	0.24%	0.78	2.59%	0.17	0.57%	0.12	0.42%
7_90		30	14.78	10.20	7.62	7.50	9.63	7.53	7.45	10.37	7.70	7.57	0.17	0.56%	0.07	0.23%	0.07	0.23%	0.74	2.47%	0.17	0.55%	0.12	0.41%
7_100		30	14.52	10.08	7.58	7.46	9.54	7.49	7.41	10.24	7.65	7.53	0.16	0.54%	0.07	0.22%	0.07	0.22%	0.71	2.36%	0.16	0.53%	0.12	0.40%
7_110		30	14.29	9.97	7.54	7.43	9.45	7.45	7.38	10.13	7.61	7.49	0.16	0.52%	0.06	0.22%	0.06	0.22%	0.68	2.27%	0.16	0.52%	0.12	0.39%
7_120		30	14.08	9.88	7.50	7.40	9.37	7.42	7.35	10.03	7.57	7.46	0.15	0.50%	0.06	0.21%	0.06	0.21%	0.65	2.18%	0.15	0.51%	0.12	0.39%
7_130		30	13.91	9.80	7.47	7.37	9.31	7.39	7.32	9.94	7.54	7.44	0.14	0.48%	0.06	0.20%	0.06	0.20%	0.63	2.11%	0.15	0.50%	0.11	0.38%
7_140		30	13.74	9.72	7.45	7.35	9.25	7.37	7.30	9.86	7.51	7.41	0.14	0.47%	0.06	0.20%	0.06	0.20%	0.61	2.04%	0.15	0.49%	0.11	0.38%
7_150		30	13.60	9.65	7.42	7.33	9.20	7.34	7.28	9.79	7.49	7.39	0.14	0.45%	0.06	0.20%	0.06	0.20%	0.59	1.98%	0.14	0.48%	0.11	0.37%

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
7_160		30	13.46	9.59	7.40	7.31	9.15	7.32	7.26	9.72	7.46	7.37	0.13	0.44%	0.06	0.19%	0.06	0.19%	0.58	1.92%	0.14	0.47%	0.11	0.37%
7_170		30	13.34	9.53	7.38	7.29	9.10	7.30	7.24	9.66	7.44	7.35	0.13	0.43%	0.06	0.19%	0.06	0.19%	0.56	1.87%	0.14	0.47%	0.11	0.36%
7_180		30	13.23	9.48	7.36	7.28	9.06	7.28	7.22	9.61	7.42	7.33	0.13	0.42%	0.06	0.18%	0.06	0.18%	0.55	1.82%	0.14	0.46%	0.11	0.36%
7_190		30	13.13	9.44	7.35	7.26	9.02	7.27	7.21	9.56	7.40	7.32	0.12	0.41%	0.05	0.18%	0.05	0.18%	0.53	1.78%	0.14	0.45%	0.11	0.36%
7_200		30	13.04	9.39	7.33	7.25	8.99	7.25	7.20	9.51	7.39	7.30	0.12	0.40%	0.05	0.18%	0.05	0.18%	0.52	1.74%	0.13	0.45%	0.11	0.35%
8_0	Elstow Pit (CWS)	30	24.93	15.08	10.83	10.59	14.46	10.69	10.50	15.32	10.93	10.69	0.24	0.81%	0.10	0.32%	0.10	0.32%	0.87	2.89%	0.24	0.79%	0.20	0.65%
8_10		30	23.74	14.61	10.59	10.37	14.00	10.44	10.25	14.85	10.69	10.47	0.24	0.79%	0.10	0.33%	0.10	0.33%	0.85	2.83%	0.26	0.85%	0.22	0.73%
8_20		30	22.86	14.25	10.42	10.21	13.66	10.26	10.09	14.48	10.52	10.32	0.23	0.77%	0.10	0.34%	0.10	0.34%	0.83	2.75%	0.26	0.87%	0.23	0.76%
8_30		30	22.15	13.97	10.29	10.09	13.39	10.13	9.96	14.19	10.39	10.19	0.23	0.76%	0.10	0.34%	0.10	0.34%	0.80	2.68%	0.26	0.87%	0.23	0.77%
8_40		30	21.57	13.73	10.18	9.99	13.17	10.02	9.86	13.95	10.28	10.09	0.22	0.74%	0.10	0.34%	0.10	0.34%	0.78	2.60%	0.26	0.87%	0.23	0.77%
8_50		30	21.08	13.53	10.09	9.91	12.99	9.93	9.78	13.75	10.19	10.01	0.22	0.73%	0.10	0.34%	0.10	0.34%	0.76	2.54%	0.26	0.87%	0.23	0.77%
8_60		30	20.66	13.36	10.01	9.84	12.83	9.85	9.71	13.57	10.11	9.94	0.22	0.72%	0.10	0.34%	0.10	0.34%	0.74	2.48%	0.26	0.86%	0.23	0.77%
8_70		30	20.30	13.21	9.94	9.78	12.69	9.79	9.65	13.42	10.04	9.88	0.21	0.71%	0.10	0.34%	0.10	0.34%	0.73	2.43%	0.26	0.85%	0.23	0.77%
8_80		30	19.98	13.08	9.88	9.72	12.57	9.73	9.60	13.29	9.98	9.83	0.21	0.70%	0.10	0.34%	0.10	0.34%	0.72	2.38%	0.25	0.85%	0.23	0.77%
8_90		30	19.70	12.96	9.83	9.68	12.47	9.68	9.55	13.17	9.93	9.78	0.21	0.70%	0.10	0.34%	0.10	0.34%	0.70	2.34%	0.25	0.84%	0.23	0.76%
8_100		30	19.45	12.86	9.79	9.64	12.38	9.64	9.51	13.07	9.89	9.74	0.21	0.69%	0.10	0.34%	0.10	0.34%	0.69	2.30%	0.25	0.83%	0.23	0.76%
8_110		30	19.23	12.77	9.75	9.60	12.29	9.60	9.48	12.98	9.85	9.70	0.21	0.68%	0.10	0.34%	0.10	0.34%	0.68	2.27%	0.25	0.83%	0.23	0.76%
8_120		30	19.03	12.69	9.71	9.57	12.22	9.56	9.44	12.89	9.81	9.67	0.20	0.68%	0.10	0.34%	0.10	0.34%	0.67	2.24%	0.25	0.82%	0.23	0.75%
8_130		30	18.85	12.61	9.68	9.54	12.15	9.53	9.41	12.82	9.78	9.64	0.20	0.67%	0.10	0.34%	0.10	0.34%	0.66	2.21%	0.25	0.82%	0.22	0.75%
8_140		30	18.69	12.55	9.65	9.51	12.09	9.50	9.39	12.75	9.75	9.61	0.20	0.67%	0.10	0.34%	0.10	0.34%	0.66	2.19%	0.24	0.81%	0.22	0.75%
8_150		30	18.54	12.49	9.62	9.48	12.04	9.48	9.36	12.69	9.72	9.59	0.20	0.67%	0.10	0.34%	0.10	0.34%	0.65	2.17%	0.24	0.81%	0.22	0.74%
8_160		30	18.40	12.43	9.60	9.46	11.99	9.45	9.34	12.63	9.70	9.57	0.20	0.66%	0.10	0.34%	0.10	0.34%	0.64	2.15%	0.24	0.81%	0.22	0.74%
8_170		30	18.27	12.38	9.57	9.44	11.94	9.43	9.32	12.58	9.67	9.55	0.20	0.66%	0.10	0.34%	0.10	0.34%	0.64	2.13%	0.24	0.80%	0.22	0.74%
8_180		30	18.16	12.33	9.55	9.42	11.90	9.41	9.31	12.53	9.65	9.53	0.20	0.66%	0.10	0.34%	0.10	0.34%	0.63	2.11%	0.24	0.80%	0.22	0.74%

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
8_190	Kempston Hardwick Pit (CWS)	30	18.05	12.29	9.53	9.41	11.86	9.39	9.29	12.48	9.63	9.51	0.20	0.65%	0.10	0.34%	0.10	0.34%	0.63	2.09%	0.24	0.80%	0.22	0.73%
8_200		30	17.95	12.25	9.52	9.39	11.82	9.38	9.27	12.44	9.62	9.49	0.20	0.65%	0.10	0.34%	0.10	0.34%	0.62	2.08%	0.24	0.79%	0.22	0.73%
9_0		30	16.11	11.18	8.54	8.42	10.56	8.31	8.22	12.06	9.22	8.99	0.88	2.92%	0.57	1.89%	0.57	1.89%	1.50	5.00%	0.91	3.04%	0.77	2.57%
9_10		30	16.02	11.12	8.52	8.40	10.53	8.29	8.21	11.98	9.17	8.95	0.86	2.86%	0.55	1.83%	0.55	1.83%	1.45	4.85%	0.88	2.92%	0.74	2.48%
9_20		30	15.92	11.05	8.49	8.38	10.49	8.28	8.20	11.88	9.11	8.91	0.83	2.76%	0.53	1.75%	0.53	1.75%	1.39	4.64%	0.83	2.78%	0.71	2.37%
9_30		30	15.84	11.00	8.47	8.36	10.46	8.27	8.19	11.80	9.06	8.87	0.80	2.67%	0.51	1.68%	0.51	1.68%	1.34	4.46%	0.79	2.65%	0.68	2.27%
9_40		30	15.77	10.95	8.45	8.35	10.44	8.26	8.18	11.73	9.02	8.83	0.77	2.58%	0.49	1.62%	0.49	1.62%	1.29	4.30%	0.76	2.53%	0.65	2.18%
9_50		30	15.71	10.91	8.44	8.33	10.42	8.25	8.17	11.66	8.98	8.80	0.75	2.50%	0.47	1.57%	0.47	1.57%	1.25	4.16%	0.73	2.43%	0.63	2.10%
9_60		30	15.67	10.88	8.43	8.32	10.40	8.25	8.17	11.61	8.95	8.78	0.73	2.42%	0.45	1.51%	0.45	1.51%	1.21	4.03%	0.70	2.34%	0.61	2.03%
9_70		30	15.62	10.85	8.41	8.31	10.38	8.24	8.16	11.56	8.92	8.75	0.70	2.35%	0.44	1.47%	0.44	1.47%	1.17	3.91%	0.68	2.25%	0.59	1.96%
9_80		30	15.59	10.83	8.41	8.30	10.37	8.24	8.16	11.51	8.89	8.73	0.68	2.28%	0.43	1.42%	0.43	1.42%	1.14	3.80%	0.65	2.18%	0.57	1.90%
9_90		30	15.56	10.81	8.40	8.30	10.36	8.23	8.16	11.47	8.87	8.71	0.66	2.21%	0.41	1.38%	0.41	1.38%	1.11	3.70%	0.63	2.11%	0.56	1.85%
9_100		30	15.53	10.79	8.39	8.29	10.35	8.23	8.15	11.43	8.85	8.69	0.65	2.15%	0.40	1.35%	0.40	1.35%	1.08	3.61%	0.61	2.05%	0.54	1.80%
9_110		30	15.51	10.77	8.38	8.29	10.34	8.23	8.15	11.40	8.82	8.68	0.63	2.10%	0.39	1.31%	0.39	1.31%	1.06	3.53%	0.60	1.99%	0.53	1.76%
9_120		30	15.49	10.75	8.38	8.28	10.33	8.23	8.15	11.37	8.81	8.66	0.61	2.05%	0.38	1.28%	0.38	1.28%	1.04	3.45%	0.58	1.93%	0.52	1.72%
9_130		30	15.47	10.74	8.37	8.28	10.33	8.22	8.15	11.34	8.79	8.65	0.60	2.00%	0.38	1.25%	0.38	1.25%	1.01	3.38%	0.57	1.88%	0.50	1.68%
9_140		30	15.45	10.73	8.37	8.27	10.32	8.22	8.15	11.31	8.77	8.64	0.59	1.95%	0.37	1.22%	0.37	1.22%	0.99	3.31%	0.55	1.84%	0.49	1.64%
9_150		30	15.43	10.72	8.36	8.27	10.31	8.22	8.14	11.29	8.76	8.63	0.57	1.91%	0.36	1.20%	0.36	1.20%	0.98	3.25%	0.54	1.80%	0.48	1.61%
9_160		30	15.42	10.71	8.36	8.27	10.31	8.22	8.14	11.27	8.74	8.62	0.56	1.86%	0.35	1.17%	0.35	1.17%	0.96	3.19%	0.53	1.76%	0.47	1.58%
9_170		30	15.41	10.70	8.36	8.26	10.31	8.22	8.14	11.25	8.73	8.61	0.55	1.83%	0.34	1.15%	0.34	1.15%	0.94	3.14%	0.52	1.72%	0.47	1.55%
9_180		30	15.40	10.69	8.35	8.26	10.30	8.22	8.14	11.23	8.72	8.60	0.54	1.79%	0.34	1.13%	0.34	1.13%	0.93	3.09%	0.50	1.68%	0.46	1.52%
9_190		30	15.39	10.68	8.35	8.26	10.30	8.21	8.14	11.21	8.71	8.59	0.53	1.75%	0.33	1.11%	0.33	1.11%	0.91	3.04%	0.50	1.65%	0.45	1.50%
9_200		30	15.38	10.68	8.35	8.25	10.30	8.21	8.14	11.19	8.70	8.58	0.52	1.72%	0.33	1.09%	0.33	1.09%	0.90	2.99%	0.49	1.62%	0.44	1.48%
10_0		30	23.20	15.39	10.24	9.91	13.24	9.50	9.28	16.38	11.03	10.47	0.99	3.29%	0.57	1.89%	0.57	1.89%	3.13	10.45%	1.53	5.09%	1.19	3.97%



Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
10_10		30	20.84	14.00	9.68	9.41	12.35	9.11	8.94	14.91	10.40	9.95	0.91	3.03%	0.54	1.80%	0.54	1.80%	2.56	8.54%	1.29	4.29%	1.02	3.38%
10_20		30	19.31	13.10	9.31	9.09	11.77	8.86	8.71	13.94	9.97	9.60	0.84	2.81%	0.51	1.71%	0.51	1.71%	2.17	7.24%	1.12	3.72%	0.89	2.97%
10_30		30	18.36	12.54	9.08	8.90	11.42	8.70	8.58	13.33	9.70	9.38	0.79	2.64%	0.49	1.62%	0.49	1.62%	1.92	6.40%	1.00	3.34%	0.81	2.69%
10_40		30	17.71	12.16	8.93	8.76	11.17	8.60	8.48	12.91	9.51	9.23	0.75	2.50%	0.46	1.55%	0.46	1.55%	1.74	5.80%	0.92	3.05%	0.74	2.48%
10_50		30	17.25	11.89	8.82	8.66	11.00	8.52	8.42	12.60	9.37	9.11	0.71	2.38%	0.44	1.48%	0.44	1.48%	1.60	5.35%	0.85	2.83%	0.69	2.31%
10_60		30	16.89	11.68	8.74	8.59	10.87	8.47	8.36	12.36	9.26	9.02	0.68	2.28%	0.43	1.42%	0.43	1.42%	1.50	4.99%	0.80	2.66%	0.65	2.18%
10_70		30	16.62	11.52	8.67	8.54	10.76	8.42	8.32	12.17	9.17	8.94	0.66	2.19%	0.41	1.36%	0.41	1.36%	1.41	4.70%	0.75	2.51%	0.62	2.07%
10_80		30	16.40	11.39	8.62	8.49	10.68	8.39	8.29	12.02	9.10	8.88	0.63	2.11%	0.39	1.31%	0.39	1.31%	1.34	4.46%	0.72	2.38%	0.59	1.97%
10_90		30	16.22	11.28	8.58	8.45	10.61	8.36	8.27	11.89	9.04	8.83	0.61	2.03%	0.38	1.27%	0.38	1.27%	1.28	4.26%	0.68	2.28%	0.57	1.89%
10_100		30	16.07	11.19	8.54	8.42	10.56	8.33	8.25	11.78	8.99	8.79	0.59	1.97%	0.37	1.23%	0.37	1.23%	1.22	4.08%	0.65	2.18%	0.55	1.82%
10_110		30	15.94	11.11	8.51	8.40	10.51	8.31	8.23	11.69	8.94	8.75	0.57	1.91%	0.36	1.19%	0.36	1.19%	1.18	3.93%	0.63	2.10%	0.53	1.76%
10_120		30	15.83	11.05	8.49	8.37	10.47	8.29	8.21	11.61	8.90	8.72	0.56	1.85%	0.35	1.16%	0.35	1.16%	1.14	3.79%	0.61	2.03%	0.51	1.70%
10_130		30	15.74	10.99	8.47	8.36	10.43	8.28	8.20	11.54	8.87	8.69	0.54	1.81%	0.34	1.13%	0.34	1.13%	1.10	3.67%	0.59	1.96%	0.50	1.65%
10_140		30	15.66	10.95	8.45	8.34	10.40	8.27	8.19	11.47	8.84	8.67	0.53	1.76%	0.33	1.10%	0.33	1.10%	1.07	3.57%	0.57	1.90%	0.48	1.61%
10_150		30	15.59	10.90	8.43	8.32	10.38	8.25	8.18	11.42	8.81	8.65	0.52	1.72%	0.32	1.08%	0.32	1.08%	1.04	3.47%	0.56	1.85%	0.47	1.57%
10_160		30	15.53	10.87	8.42	8.31	10.36	8.25	8.17	11.37	8.79	8.63	0.51	1.69%	0.32	1.06%	0.32	1.06%	1.02	3.39%	0.54	1.80%	0.46	1.53%
10_170		30	15.48	10.83	8.40	8.30	10.34	8.24	8.16	11.33	8.77	8.61	0.50	1.65%	0.31	1.04%	0.31	1.04%	0.99	3.31%	0.53	1.76%	0.45	1.50%
10_180		30	15.43	10.80	8.39	8.29	10.32	8.23	8.15	11.29	8.75	8.60	0.49	1.62%	0.31	1.02%	0.31	1.02%	0.97	3.24%	0.52	1.72%	0.44	1.47%
10_190		30	15.39	10.78	8.38	8.28	10.30	8.22	8.15	11.26	8.73	8.58	0.48	1.59%	0.30	1.00%	0.30	1.00%	0.95	3.18%	0.51	1.69%	0.43	1.45%
10_200		30	15.35	10.75	8.37	8.27	10.29	8.22	8.14	11.22	8.71	8.57	0.47	1.57%	0.30	0.98%	0.30	0.98%	0.94	3.12%	0.50	1.65%	0.43	1.42%
11_0		30	23.26	15.26	10.27	9.94	13.28	9.56	9.34	15.67	10.54	10.11	0.40	1.34%	0.17	0.56%	0.17	0.56%	2.39	7.95%	0.98	3.26%	0.77	2.56%
11_10		30	21.07	13.98	9.73	9.47	12.45	9.19	9.01	14.34	9.97	9.63	0.35	1.18%	0.16	0.54%	0.16	0.54%	1.89	6.29%	0.78	2.60%	0.62	2.08%
11_20		30	19.68	13.17	9.39	9.17	11.92	8.95	8.80	13.50	9.61	9.33	0.33	1.09%	0.16	0.54%	0.16	0.54%	1.57	5.25%	0.66	2.19%	0.53	1.78%
11_30		30	18.81	12.66	9.18	8.98	11.59	8.80	8.67	12.97	9.38	9.15	0.31	1.04%	0.16	0.54%	0.16	0.54%	1.38	4.59%	0.58	1.94%	0.48	1.60%

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl
11_40		30	18.21	12.31	9.03	8.86	11.37	8.70	8.58	12.61	9.23	9.02	0.30	1.01%	0.16	0.54%	0.16	0.54%	1.24	4.14%	0.53	1.76%	0.44	1.47%
11_50		30	17.77	12.05	8.92	8.76	11.20	8.63	8.51	12.34	9.12	8.92	0.30	0.99%	0.16	0.54%	0.16	0.54%	1.14	3.81%	0.49	1.63%	0.41	1.38%
11_60		30	17.44	11.85	8.84	8.69	11.08	8.57	8.46	12.14	9.03	8.85	0.29	0.97%	0.16	0.54%	0.16	0.54%	1.07	3.56%	0.46	1.53%	0.39	1.31%
11_70		30	17.19	11.70	8.78	8.63	10.98	8.53	8.42	11.99	8.96	8.80	0.29	0.96%	0.16	0.54%	0.16	0.54%	1.01	3.36%	0.44	1.45%	0.38	1.25%
11_80		30	16.98	11.58	8.73	8.59	10.90	8.49	8.39	11.86	8.91	8.75	0.28	0.95%	0.16	0.55%	0.16	0.55%	0.96	3.20%	0.42	1.39%	0.36	1.21%
11_90		30	16.81	11.48	8.69	8.55	10.84	8.46	8.36	11.76	8.87	8.72	0.28	0.94%	0.16	0.55%	0.16	0.55%	0.92	3.07%	0.40	1.34%	0.35	1.17%
11_100		30	16.67	11.39	8.65	8.52	10.79	8.44	8.34	11.67	8.83	8.69	0.28	0.94%	0.16	0.55%	0.16	0.55%	0.89	2.96%	0.39	1.30%	0.34	1.15%
11_110		30	16.56	11.32	8.62	8.50	10.74	8.42	8.33	11.60	8.80	8.66	0.28	0.93%	0.17	0.55%	0.17	0.55%	0.86	2.87%	0.38	1.26%	0.34	1.12%
11_120		30	16.46	11.26	8.60	8.47	10.70	8.40	8.31	11.54	8.77	8.64	0.28	0.93%	0.17	0.55%	0.17	0.55%	0.84	2.79%	0.37	1.23%	0.33	1.10%
11_130		30	16.37	11.21	8.58	8.46	10.67	8.39	8.30	11.49	8.75	8.62	0.28	0.92%	0.17	0.56%	0.17	0.56%	0.82	2.72%	0.36	1.20%	0.32	1.08%
11_140		30	16.30	11.17	8.56	8.44	10.64	8.38	8.29	11.44	8.73	8.61	0.28	0.92%	0.17	0.56%	0.17	0.56%	0.80	2.66%	0.35	1.18%	0.32	1.07%
11_150		30	16.24	11.13	8.54	8.42	10.62	8.37	8.28	11.40	8.71	8.59	0.28	0.92%	0.17	0.56%	0.17	0.56%	0.78	2.61%	0.35	1.16%	0.32	1.05%
11_160		30	16.18	11.09	8.53	8.41	10.60	8.36	8.27	11.37	8.70	8.58	0.28	0.92%	0.17	0.56%	0.17	0.56%	0.77	2.56%	0.34	1.14%	0.31	1.04%
11_170		30	16.14	11.06	8.51	8.40	10.58	8.35	8.26	11.34	8.69	8.57	0.28	0.92%	0.17	0.56%	0.17	0.56%	0.76	2.52%	0.34	1.12%	0.31	1.03%
11_180		30	16.09	11.03	8.50	8.39	10.57	8.34	8.25	11.31	8.67	8.56	0.27	0.92%	0.17	0.57%	0.17	0.57%	0.74	2.48%	0.33	1.11%	0.31	1.02%
11_190		30	16.06	11.01	8.49	8.38	10.55	8.34	8.25	11.29	8.66	8.55	0.27	0.92%	0.17	0.57%	0.17	0.57%	0.73	2.44%	0.33	1.09%	0.30	1.01%
11_200		30	16.03	10.99	8.49	8.38	10.54	8.33	8.24	11.26	8.65	8.55	0.27	0.92%	0.17	0.57%	0.17	0.57%	0.72	2.41%	0.32	1.08%	0.30	1.01%
12_0	Kempston West End (CWS)	30	98.50	44.42	21.16	19.70	39.78	19.87	18.63	44.41	21.20	19.59	-0.01	-0.03%	-0.11	-0.35%	-0.11	-0.35%	4.63	15.43%	1.33	4.44%	0.96	3.19%
12_10		30	82.70	38.04	18.94	17.75	34.35	17.92	16.92	38.12	19.02	17.71	0.08	0.26%	-0.04	-0.13%	-0.04	-0.13%	3.77	12.56%	1.09	3.65%	0.79	2.65%
12_20		30	66.54	31.53	16.68	15.77	28.81	15.94	15.17	31.69	16.79	15.79	0.16	0.52%	0.03	0.08%	0.03	0.08%	2.88	9.61%	0.85	2.84%	0.63	2.09%
12_30		30	57.95	28.09	15.47	14.71	25.86	14.87	14.23	28.28	15.60	14.77	0.19	0.64%	0.06	0.19%	0.06	0.19%	2.41	8.05%	0.72	2.41%	0.54	1.80%
12_40		30	52.58	25.94	14.72	14.05	24.03	14.21	13.64	26.15	14.85	14.13	0.21	0.70%	0.07	0.25%	0.07	0.25%	2.12	7.07%	0.65	2.16%	0.49	1.63%
12_50		30	48.85	24.45	14.20	13.59	22.75	13.74	13.22	24.68	14.34	13.68	0.22	0.75%	0.09	0.29%	0.09	0.29%	1.92	6.41%	0.60	1.99%	0.46	1.52%
12_60		30	46.09	23.36	13.81	13.25	21.81	13.40	12.92	23.59	13.96	13.35	0.23	0.78%	0.10	0.33%	0.10	0.33%	1.78	5.92%	0.56	1.87%	0.43	1.45%

Transect/Receptor Details			Modelled Total NOx Concentrations (µg/m³)										Proposed Development alone						Proposed Development in-combination with other plans and projects						
Transect ID (Distance Inside of Site)	Ecological Site	NOx CLvl (µg/m³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		
													Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	Change NOx (µg/m³)	CLvl % Change Relative to CLvl	
12_70		30	43.98	22.52	13.52	12.99	21.10	13.13	12.68	22.77	13.66	13.10	0.24	0.81%	0.11	0.36%	0.11	0.36%	1.67	5.56%	0.54	1.79%	0.42	1.40%	
12_80		30	42.31	21.87	13.28	12.79	20.53	12.92	12.49	22.12	13.44	12.90	0.25	0.83%	0.12	0.39%	0.12	0.39%	1.58	5.28%	0.52	1.73%	0.41	1.37%	
12_90		30	40.97	21.34	13.10	12.62	20.08	12.75	12.34	21.60	13.25	12.75	0.26	0.85%	0.12	0.41%	0.12	0.41%	1.52	5.06%	0.50	1.68%	0.40	1.35%	
12_100		30	39.88	20.92	12.95	12.49	19.72	12.61	12.22	21.18	13.11	12.62	0.26	0.87%	0.13	0.43%	0.13	0.43%	1.46	4.88%	0.49	1.64%	0.40	1.33%	
12_110		30	38.99	20.58	12.83	12.38	19.42	12.51	12.12	20.84	12.99	12.52	0.27	0.88%	0.13	0.44%	0.13	0.44%	1.42	4.73%	0.48	1.61%	0.40	1.32%	
12_120		30	38.27	20.30	12.74	12.30	19.19	12.42	12.04	20.57	12.89	12.43	0.27	0.90%	0.13	0.44%	0.13	0.44%	1.38	4.61%	0.47	1.58%	0.39	1.30%	
12_130		30	37.68	20.08	12.66	12.23	19.00	12.35	11.98	20.35	12.82	12.37	0.27	0.91%	0.13	0.45%	0.13	0.45%	1.35	4.51%	0.47	1.55%	0.39	1.29%	
Notes CLvl = Critical Level																									

Table 1-2 - Annual Mean NH₃ Concentrations (µg/m³)

Transect/Receptor Details			Modelled Total NH ₃ Concentrations (µg/m ³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NH ₃ CLvl (µg/m ³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
1_0	Maulden Wood and Pennyfather's Hills (SSSI/AW)	3	1.81	1.84	1.81	1.77	1.80	1.77	1.74	1.85	1.82	1.78	0.01	0.42%	0.01	0.38%	0.01	0.40%	0.05	1.74%	0.05	1.55%	0.04	1.40%
1_10		3	1.68	1.70	1.68	1.66	1.68	1.66	1.64	1.71	1.69	1.67	0.01	0.25%	0.01	0.22%	0.01	0.24%	0.03	1.02%	0.03	0.91%	0.02	0.82%
1_20		3	1.62	1.64	1.62	1.61	1.62	1.61	1.60	1.64	1.63	1.61	0.00	0.16%	0.00	0.15%	0.00	0.15%	0.02	0.67%	0.02	0.60%	0.02	0.54%
1_30		3	1.59	1.60	1.59	1.58	1.59	1.58	1.57	1.61	1.60	1.59	0.00	0.12%	0.00	0.11%	0.00	0.11%	0.01	0.49%	0.01	0.44%	0.01	0.39%
1_40		3	1.57	1.58	1.57	1.57	1.57	1.57	1.56	1.58	1.58	1.57	0.00	0.09%	0.00	0.08%	0.00	0.09%	0.01	0.38%	0.01	0.34%	0.01	0.31%
1_50		3	1.56	1.57	1.56	1.56	1.56	1.56	1.55	1.57	1.57	1.56	0.00	0.08%	0.00	0.07%	0.00	0.07%	0.01	0.31%	0.01	0.28%	0.01	0.25%
1_60		3	1.55	1.56	1.55	1.55	1.55	1.55	1.54	1.56	1.56	1.55	0.00	0.07%	0.00	0.06%	0.00	0.06%	0.01	0.26%	0.01	0.24%	0.01	0.21%
1_70		3	1.54	1.55	1.55	1.54	1.55	1.54	1.54	1.55	1.55	1.55	0.00	0.06%	0.00	0.05%	0.00	0.05%	0.01	0.23%	0.01	0.20%	0.01	0.18%
1_80		3	1.54	1.55	1.54	1.54	1.54	1.54	1.54	1.55	1.55	1.54	0.00	0.05%	0.00	0.04%	0.00	0.05%	0.01	0.20%	0.01	0.18%	0.00	0.16%
1_90		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.54	1.54	1.54	0.00	0.04%	0.00	0.04%	0.00	0.04%	0.01	0.18%	0.00	0.16%	0.00	0.14%
1_100		3	1.53	1.54	1.54	1.53	1.54	1.53	1.53	1.54	1.54	1.53	0.00	0.04%	0.00	0.04%	0.00	0.04%	0.00	0.16%	0.00	0.14%	0.00	0.13%
1_110		3	1.53	1.54	1.53	1.53	1.53	1.53	1.53	1.54	1.54	1.53	0.00	0.04%	0.00	0.03%	0.00	0.04%	0.00	0.15%	0.00	0.13%	0.00	0.12%
1_120		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.54	1.53	1.53	0.00	0.03%	0.00	0.03%	0.00	0.03%	0.00	0.13%	0.00	0.12%	0.00	0.11%
1_130		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	0.00	0.03%	0.00	0.03%	0.00	0.03%	0.00	0.12%	0.00	0.11%	0.00	0.10%
1_140		3	1.52	1.53	1.53	1.53	1.53	1.53	1.52	1.53	1.53	1.53	0.00	0.03%	0.00	0.03%	0.00	0.03%	0.00	0.12%	0.00	0.10%	0.00	0.09%
1_150		3	1.52	1.53	1.53	1.53	1.53	1.53	1.52	1.53	1.53	1.53	0.00	0.03%	0.00	0.02%	0.00	0.03%	0.00	0.11%	0.00	0.10%	0.00	0.09%
1_160		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.53	0.00	0.03%	0.00	0.02%	0.00	0.02%	0.00	0.10%	0.00	0.09%	0.00	0.08%
1_170		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.10%	0.00	0.09%	0.00	0.08%
1_180		3	1.52	1.53	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.09%	0.00	0.08%	0.00	0.07%
1_190		3	1.51	1.53	1.52	1.52	1.52	1.52	1.52	1.53	1.52	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.09%	0.00	0.08%	0.00	0.07%
1_200		3	1.51	1.52	1.52	1.52	1.52	1.52	1.52	1.53	1.52	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.08%	0.00	0.07%	0.00	0.07%
2_0		3	1.91	1.95	1.91	1.85	1.89	1.86	1.81	1.95	1.91	1.86	0.01	0.18%	0.00	0.16%	0.01	0.23%	0.06	1.93%	0.05	1.72%	0.05	1.56%
2_10		3	1.70	1.72	1.70	1.67	1.69	1.68	1.65	1.72	1.70	1.68	0.01	0.18%	0.00	0.16%	0.01	0.18%	0.03	1.01%	0.03	0.90%	0.02	0.82%
2_20		3	1.62	1.64	1.63	1.61	1.62	1.61	1.60	1.64	1.63	1.62	0.00	0.13%	0.00	0.12%	0.00	0.13%	0.02	0.65%	0.02	0.58%	0.02	0.53%
2_30		3	1.59	1.60	1.60	1.58	1.59	1.58	1.58	1.61	1.60	1.59	0.00	0.10%	0.00	0.09%	0.00	0.10%	0.01	0.48%	0.01	0.43%	0.01	0.39%
2_40		3	1.57	1.58	1.58	1.57	1.57	1.57	1.56	1.59	1.58	1.57	0.00	0.08%	0.00	0.07%	0.00	0.08%	0.01	0.38%	0.01	0.34%	0.01	0.30%
2_50		3	1.56	1.57	1.56	1.56	1.56	1.56	1.55	1.57	1.57	1.56	0.00	0.07%	0.00	0.06%	0.00	0.07%	0.01	0.31%	0.01	0.28%	0.01	0.25%
2_60		3	1.55	1.56	1.56	1.55	1.55	1.55	1.54	1.56	1.56	1.55	0.00	0.06%	0.00	0.05%	0.00	0.06%	0.01	0.26%	0.01	0.23%	0.01	0.21%
2_70		3	1.54	1.55	1.55	1.54	1.55	1.54	1.54	1.56	1.55	1.55	0.00	0.05%	0.00	0.05%	0.00	0.05%	0.01	0.23%	0.01	0.20%	0.01	0.18%
2_80		3	1.54	1.55	1.54	1.54	1.54	1.54	1.54	1.55	1.55	1.54	0.00	0.05%	0.00	0.04%	0.00	0.05%	0.01	0.20%	0.01	0.18%	0.00	0.16%
2_90		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.55	1.54	1.54	0.00	0.04%	0.00	0.04%	0.00	0.04%	0.01	0.18%	0.00	0.16%	0.00	0.14%
2_100		3	1.53	1.54	1.54	1.53	1.54	1.53	1.53	1.54	1.54	1.54	0.00	0.04%	0.00	0.03%	0.00	0.04%	0.00	0.16%	0.00	0.14%	0.00	0.13%
2_110		3	1.53	1.54	1.54	1.53	1.53	1.53	1.53	1.54	1.54	1.53	0.00	0.03%	0.00	0.03%	0.00	0.03%	0.00	0.15%	0.00	0.13%	0.00	0.12%

Transect/Receptor Details			Modelled Total NH ₃ Concentrations (µg/m ³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NH ₃ CLvl (µg/m ³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
2_120		3	1.52	1.54	1.53	1.53	1.53	1.53	1.53	1.54	1.53	1.53	0.00	0.03%	0.00	0.03%	0.00	0.03%	0.00	0.14%	0.00	0.12%	0.00	0.11%
2_130		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	0.00	0.03%	0.00	0.03%	0.00	0.03%	0.00	0.13%	0.00	0.11%	0.00	0.10%
2_140		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	0.00	0.03%	0.00	0.03%	0.00	0.03%	0.00	0.12%	0.00	0.10%	0.00	0.09%
2_150		3	1.52	1.53	1.53	1.53	1.53	1.53	1.52	1.53	1.53	1.53	0.00	0.03%	0.00	0.02%	0.00	0.03%	0.00	0.11%	0.00	0.10%	0.00	0.09%
2_160		3	1.52	1.53	1.53	1.52	1.53	1.53	1.52	1.53	1.53	1.53	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.10%	0.00	0.09%	0.00	0.08%
2_170		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.10%	0.00	0.09%	0.00	0.08%
2_180		3	1.52	1.53	1.53	1.52	1.52	1.52	1.52	1.53	1.53	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.09%	0.00	0.08%	0.00	0.07%
2_190		3	1.52	1.53	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.09%	0.00	0.08%	0.00	0.07%
2_200		3	1.51	1.53	1.52	1.52	1.52	1.52	1.52	1.53	1.52	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.08%	0.00	0.07%	0.00	0.07%
3_0		3	1.97	2.01	1.96	1.90	1.95	1.91	1.85	2.03	1.98	1.92	0.02	0.63%	0.02	0.57%	0.02	0.60%	0.08	2.61%	0.07	2.34%	0.06	2.11%
3_10		3	1.70	1.72	1.70	1.67	1.69	1.68	1.65	1.73	1.70	1.68	0.01	0.27%	0.01	0.24%	0.01	0.25%	0.03	1.10%	0.03	0.98%	0.03	0.88%
3_20		3	1.62	1.64	1.63	1.61	1.62	1.61	1.60	1.64	1.63	1.62	0.01	0.17%	0.00	0.15%	0.00	0.16%	0.02	0.69%	0.02	0.61%	0.02	0.55%
3_30		3	1.59	1.60	1.59	1.58	1.59	1.58	1.57	1.61	1.60	1.59	0.00	0.12%	0.00	0.11%	0.00	0.11%	0.01	0.50%	0.01	0.44%	0.01	0.40%
3_40		3	1.57	1.58	1.58	1.57	1.57	1.57	1.56	1.59	1.58	1.57	0.00	0.09%	0.00	0.08%	0.00	0.09%	0.01	0.38%	0.01	0.34%	0.01	0.31%
3_50		3	1.56	1.57	1.56	1.56	1.56	1.56	1.55	1.57	1.56	1.56	0.00	0.08%	0.00	0.07%	0.00	0.07%	0.01	0.31%	0.01	0.28%	0.01	0.25%
3_60		3	1.55	1.56	1.55	1.55	1.55	1.55	1.54	1.56	1.56	1.55	0.00	0.06%	0.00	0.06%	0.00	0.06%	0.01	0.26%	0.01	0.23%	0.01	0.21%
3_70		3	1.54	1.55	1.55	1.54	1.55	1.54	1.54	1.55	1.55	1.54	0.00	0.06%	0.00	0.05%	0.00	0.05%	0.01	0.23%	0.01	0.20%	0.01	0.18%
3_80		3	1.54	1.55	1.54	1.54	1.54	1.54	1.54	1.55	1.54	1.54	0.00	0.05%	0.00	0.04%	0.00	0.05%	0.01	0.20%	0.01	0.17%	0.00	0.16%
3_90		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.54	1.54	1.54	0.00	0.04%	0.00	0.04%	0.00	0.04%	0.01	0.18%	0.00	0.15%	0.00	0.14%
3_100		3	1.53	1.54	1.54	1.53	1.54	1.53	1.53	1.54	1.54	1.53	0.00	0.04%	0.00	0.03%	0.00	0.04%	0.00	0.16%	0.00	0.14%	0.00	0.12%
3_110		3	1.53	1.54	1.53	1.53	1.53	1.53	1.53	1.54	1.53	1.53	0.00	0.04%	0.00	0.03%	0.00	0.03%	0.00	0.14%	0.00	0.13%	0.00	0.11%
3_120		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.54	1.53	1.53	0.00	0.03%	0.00	0.03%	0.00	0.03%	0.00	0.13%	0.00	0.11%	0.00	0.10%
3_130		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	0.00	0.03%	0.00	0.03%	0.00	0.03%	0.00	0.12%	0.00	0.11%	0.00	0.09%
3_140		3	1.52	1.53	1.53	1.53	1.53	1.53	1.52	1.53	1.53	1.53	0.00	0.03%	0.00	0.02%	0.00	0.03%	0.00	0.11%	0.00	0.10%	0.00	0.09%
3_150		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.53	0.00	0.03%	0.00	0.02%	0.00	0.02%	0.00	0.10%	0.00	0.09%	0.00	0.08%
3_160		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.10%	0.00	0.08%	0.00	0.08%
3_170		3	1.52	1.53	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.09%	0.00	0.08%	0.00	0.07%
3_180		3	1.52	1.53	1.52	1.52	1.52	1.52	1.52	1.53	1.52	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.08%	0.00	0.07%	0.00	0.07%
3_190		3	1.51	1.52	1.52	1.52	1.52	1.52	1.52	1.53	1.52	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.08%	0.00	0.07%	0.00	0.06%
3_200		3	1.51	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	0.00	0.02%	0.00	0.02%	0.00	0.02%	0.00	0.08%	0.00	0.07%	0.00	0.06%
4_0	Stewartby Lake (CWS)	3	1.80	1.83	1.81	1.77	1.80	1.78	1.75	1.85	1.83	1.80	0.02	0.62%	0.02	0.79%	0.03	0.94%	0.05	1.57%	0.05	1.61%	0.05	1.64%
4_10		3	1.78	1.80	1.78	1.75	1.78	1.76	1.73	1.82	1.80	1.78	0.02	0.59%	0.02	0.74%	0.03	0.88%	0.04	1.45%	0.04	1.48%	0.05	1.51%
4_20		3	1.75	1.77	1.75	1.73	1.75	1.73	1.71	1.79	1.77	1.75	0.02	0.54%	0.02	0.67%	0.02	0.80%	0.04	1.31%	0.04	1.34%	0.04	1.35%
4_30		3	1.73	1.75	1.73	1.71	1.73	1.71	1.69	1.76	1.75	1.73	0.02	0.51%	0.02	0.62%	0.02	0.73%	0.04	1.19%	0.04	1.21%	0.04	1.23%

Transect/Receptor Details			Modelled Total NH ₃ Concentrations (µg/m ³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NH ₃ CLvl (µg/m ³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
4_40		3	1.71	1.73	1.71	1.69	1.71	1.69	1.67	1.74	1.73	1.71	0.01	0.47%	0.02	0.57%	0.02	0.67%	0.03	1.09%	0.03	1.11%	0.03	1.13%
4_50		3	1.69	1.71	1.69	1.67	1.69	1.68	1.66	1.72	1.71	1.69	0.01	0.44%	0.02	0.53%	0.02	0.62%	0.03	1.01%	0.03	1.02%	0.03	1.04%
4_60		3	1.67	1.69	1.68	1.66	1.68	1.67	1.65	1.71	1.70	1.68	0.01	0.41%	0.01	0.49%	0.02	0.58%	0.03	0.94%	0.03	0.95%	0.03	0.96%
4_70		3	1.66	1.68	1.67	1.65	1.67	1.66	1.64	1.69	1.68	1.67	0.01	0.39%	0.01	0.46%	0.02	0.54%	0.03	0.87%	0.03	0.88%	0.03	0.90%
4_80		3	1.65	1.67	1.66	1.64	1.66	1.65	1.63	1.68	1.67	1.66	0.01	0.37%	0.01	0.43%	0.02	0.50%	0.02	0.82%	0.02	0.83%	0.03	0.84%
4_90		3	1.64	1.66	1.65	1.63	1.65	1.64	1.62	1.67	1.66	1.65	0.01	0.35%	0.01	0.41%	0.01	0.47%	0.02	0.77%	0.02	0.78%	0.02	0.79%
4_100		3	1.63	1.65	1.64	1.63	1.64	1.63	1.62	1.66	1.65	1.64	0.01	0.33%	0.01	0.38%	0.01	0.45%	0.02	0.73%	0.02	0.73%	0.02	0.74%
4_110		3	1.63	1.64	1.63	1.62	1.63	1.62	1.61	1.65	1.64	1.63	0.01	0.31%	0.01	0.36%	0.01	0.42%	0.02	0.69%	0.02	0.69%	0.02	0.70%
4_120		3	1.62	1.64	1.63	1.61	1.63	1.62	1.61	1.65	1.64	1.63	0.01	0.30%	0.01	0.35%	0.01	0.40%	0.02	0.65%	0.02	0.66%	0.02	0.67%
4_130		3	1.61	1.63	1.62	1.61	1.62	1.61	1.60	1.64	1.63	1.62	0.01	0.28%	0.01	0.33%	0.01	0.38%	0.02	0.62%	0.02	0.63%	0.02	0.63%
4_140		3	1.61	1.62	1.62	1.60	1.61	1.61	1.60	1.63	1.62	1.61	0.01	0.27%	0.01	0.31%	0.01	0.36%	0.02	0.59%	0.02	0.60%	0.02	0.60%
4_150		3	1.60	1.62	1.61	1.60	1.61	1.60	1.59	1.63	1.62	1.61	0.01	0.26%	0.01	0.30%	0.01	0.35%	0.02	0.57%	0.02	0.57%	0.02	0.58%
4_160		3	1.60	1.61	1.61	1.60	1.61	1.60	1.59	1.62	1.61	1.61	0.01	0.25%	0.01	0.29%	0.01	0.33%	0.02	0.54%	0.02	0.55%	0.02	0.55%
4_170		3	1.59	1.61	1.60	1.59	1.60	1.59	1.59	1.62	1.61	1.60	0.01	0.24%	0.01	0.28%	0.01	0.32%	0.02	0.52%	0.02	0.52%	0.02	0.53%
4_180		3	1.59	1.61	1.60	1.59	1.60	1.59	1.58	1.61	1.61	1.60	0.01	0.23%	0.01	0.26%	0.01	0.31%	0.02	0.50%	0.02	0.50%	0.02	0.51%
4_190		3	1.59	1.60	1.59	1.59	1.59	1.59	1.58	1.61	1.60	1.59	0.01	0.22%	0.01	0.25%	0.01	0.29%	0.01	0.48%	0.01	0.48%	0.01	0.49%
4_200		3	1.58	1.60	1.59	1.58	1.59	1.58	1.58	1.60	1.60	1.59	0.01	0.21%	0.01	0.25%	0.01	0.28%	0.01	0.46%	0.01	0.46%	0.01	0.47%
5_0		3	1.76	1.79	1.76	1.73	1.75	1.73	1.70	1.79	1.76	1.74	0.00	-0.16%	0.00	0.01%	0.01	0.21%	0.04	1.25%	0.04	1.21%	0.04	1.20%
5_10		3	1.63	1.65	1.64	1.62	1.63	1.62	1.61	1.65	1.64	1.63	0.00	0.00%	0.00	0.07%	0.00	0.16%	0.02	0.73%	0.02	0.70%	0.02	0.69%
5_20		3	1.58	1.60	1.59	1.58	1.58	1.58	1.57	1.60	1.59	1.58	0.00	0.04%	0.00	0.08%	0.00	0.13%	0.01	0.47%	0.01	0.45%	0.01	0.44%
5_30		3	1.56	1.58	1.57	1.56	1.57	1.56	1.56	1.58	1.57	1.57	0.00	0.05%	0.00	0.08%	0.00	0.12%	0.01	0.37%	0.01	0.35%	0.01	0.34%
5_40		3	1.55	1.57	1.56	1.55	1.56	1.55	1.55	1.57	1.56	1.56	0.00	0.06%	0.00	0.08%	0.00	0.11%	0.01	0.32%	0.01	0.30%	0.01	0.29%
5_50		3	1.55	1.56	1.55	1.55	1.55	1.55	1.54	1.56	1.56	1.55	0.00	0.06%	0.00	0.08%	0.00	0.11%	0.01	0.28%	0.01	0.27%	0.01	0.26%
5_60		3	1.54	1.55	1.55	1.55	1.55	1.55	1.54	1.56	1.55	1.55	0.00	0.06%	0.00	0.08%	0.00	0.10%	0.01	0.26%	0.01	0.25%	0.01	0.24%
5_70		3	1.54	1.55	1.55	1.54	1.55	1.54	1.54	1.55	1.55	1.55	0.00	0.07%	0.00	0.08%	0.00	0.10%	0.01	0.25%	0.01	0.24%	0.01	0.23%
5_80		3	1.54	1.55	1.55	1.54	1.54	1.54	1.54	1.55	1.55	1.54	0.00	0.07%	0.00	0.08%	0.00	0.10%	0.01	0.24%	0.01	0.22%	0.01	0.22%
5_90		3	1.54	1.55	1.54	1.54	1.54	1.54	1.54	1.55	1.55	1.54	0.00	0.07%	0.00	0.08%	0.00	0.10%	0.01	0.23%	0.01	0.22%	0.01	0.21%
5_100		3	1.53	1.55	1.54	1.54	1.54	1.54	1.54	1.55	1.55	1.54	0.00	0.07%	0.00	0.08%	0.00	0.10%	0.01	0.22%	0.01	0.21%	0.01	0.20%
5_110		3	1.53	1.55	1.54	1.54	1.54	1.54	1.54	1.55	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.10%	0.01	0.21%	0.01	0.20%	0.01	0.20%
5_120		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.55	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.10%	0.01	0.21%	0.01	0.20%	0.01	0.20%
5_130		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.55	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.10%	0.01	0.20%	0.01	0.20%	0.01	0.19%
5_140		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.55	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.10%	0.01	0.20%	0.01	0.19%	0.01	0.19%
5_150		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.54	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.09%	0.01	0.20%	0.01	0.19%	0.01	0.19%
5_160		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.54	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.09%	0.01	0.20%	0.01	0.19%	0.01	0.18%

Transect/Receptor Details			Modelled Total NH ₃ Concentrations (µg/m ³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NH ₃ CLvl (µg/m ³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
5_170		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.54	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.09%	0.01	0.19%	0.01	0.18%	0.01	0.18%
5_180		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.54	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.09%	0.01	0.19%	0.01	0.18%	0.01	0.18%
5_190		3	1.53	1.54	1.54	1.53	1.54	1.54	1.53	1.54	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.09%	0.01	0.19%	0.01	0.18%	0.01	0.18%
5_200		3	1.53	1.54	1.54	1.53	1.54	1.53	1.53	1.54	1.54	1.54	0.00	0.07%	0.00	0.08%	0.00	0.09%	0.01	0.19%	0.01	0.18%	0.01	0.18%
6_0	Rookery Clay Pit (CWS)	3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.55	1.54	1.54	0.00	0.04%	0.00	0.05%	0.00	0.06%	0.00	0.13%	0.00	0.12%	0.00	0.12%
6_10		3	1.53	1.54	1.54	1.54	1.54	1.54	1.53	1.54	1.54	1.54	0.00	0.04%	0.00	0.05%	0.00	0.06%	0.00	0.13%	0.00	0.12%	0.00	0.12%
6_20		3	1.53	1.54	1.54	1.53	1.54	1.53	1.53	1.54	1.54	1.54	0.00	0.04%	0.00	0.05%	0.00	0.06%	0.00	0.13%	0.00	0.12%	0.00	0.12%
6_30		3	1.53	1.54	1.53	1.53	1.53	1.53	1.53	1.54	1.54	1.53	0.00	0.04%	0.00	0.05%	0.00	0.06%	0.00	0.13%	0.00	0.12%	0.00	0.11%
6_40		3	1.53	1.54	1.53	1.53	1.53	1.53	1.53	1.54	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.06%	0.00	0.13%	0.00	0.12%	0.00	0.11%
6_50		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.54	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.06%	0.00	0.12%	0.00	0.12%	0.00	0.11%
6_60		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.06%	0.00	0.12%	0.00	0.11%	0.00	0.11%
6_70		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.06%	0.00	0.12%	0.00	0.11%	0.00	0.11%
6_80		3	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.05%	0.00	0.12%	0.00	0.11%	0.00	0.11%
6_90		3	1.52	1.53	1.53	1.53	1.53	1.53	1.52	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.05%	0.00	0.12%	0.00	0.11%	0.00	0.11%
6_100		3	1.52	1.53	1.53	1.53	1.53	1.53	1.52	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.05%	0.00	0.12%	0.00	0.11%	0.00	0.10%
6_110		3	1.52	1.53	1.53	1.53	1.53	1.53	1.52	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.05%	0.00	0.12%	0.00	0.11%	0.00	0.10%
6_120		3	1.52	1.53	1.53	1.52	1.53	1.53	1.52	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.05%	0.00	0.12%	0.00	0.11%	0.00	0.10%
6_130		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.05%	0.00	0.12%	0.00	0.11%	0.00	0.10%
6_140		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.05%	0.00	0.11%	0.00	0.11%	0.00	0.10%
6_150		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.53	0.00	0.04%	0.00	0.05%	0.00	0.05%	0.00	0.11%	0.00	0.11%	0.00	0.10%
6_160		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.53	0.00	0.04%	0.00	0.04%	0.00	0.05%	0.00	0.11%	0.00	0.10%	0.00	0.10%
6_170		3	1.52	1.53	1.53	1.52	1.53	1.52	1.52	1.53	1.53	1.53	0.00	0.04%	0.00	0.04%	0.00	0.05%	0.00	0.11%	0.00	0.10%	0.00	0.10%
6_180		3	1.52	1.53	1.53	1.52	1.52	1.52	1.52	1.53	1.53	1.52	0.00	0.04%	0.00	0.04%	0.00	0.05%	0.00	0.11%	0.00	0.10%	0.00	0.10%
6_190		3	1.52	1.53	1.53	1.52	1.52	1.52	1.52	1.53	1.53	1.52	0.00	0.04%	0.00	0.04%	0.00	0.05%	0.00	0.11%	0.00	0.10%	0.00	0.10%
6_200		3	1.52	1.53	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.52	0.00	0.04%	0.00	0.04%	0.00	0.05%	0.00	0.11%	0.00	0.10%	0.00	0.10%
7_0	Quest Pit (CWS)	3	1.63	1.66	1.64	1.62	1.62	1.61	1.60	1.67	1.65	1.63	0.01	0.34%	0.01	0.35%	0.01	0.32%	0.05	1.53%	0.04	1.31%	0.03	1.07%
7_10		3	1.62	1.65	1.63	1.61	1.62	1.60	1.59	1.66	1.64	1.62	0.01	0.31%	0.01	0.32%	0.01	0.29%	0.04	1.41%	0.04	1.20%	0.03	0.98%
7_20		3	1.60	1.63	1.61	1.60	1.60	1.59	1.58	1.64	1.62	1.61	0.01	0.27%	0.01	0.28%	0.01	0.26%	0.04	1.22%	0.03	1.04%	0.03	0.85%
7_30		3	1.59	1.62	1.60	1.59	1.59	1.58	1.57	1.62	1.61	1.59	0.01	0.24%	0.01	0.25%	0.01	0.23%	0.03	1.08%	0.03	0.92%	0.02	0.75%
7_40		3	1.58	1.61	1.59	1.58	1.58	1.57	1.57	1.61	1.60	1.59	0.01	0.21%	0.01	0.22%	0.01	0.20%	0.03	0.97%	0.02	0.82%	0.02	0.67%
7_50		3	1.57	1.60	1.58	1.57	1.58	1.57	1.56	1.60	1.59	1.58	0.01	0.19%	0.01	0.20%	0.01	0.19%	0.03	0.88%	0.02	0.74%	0.02	0.61%
7_60		3	1.57	1.59	1.58	1.57	1.57	1.56	1.56	1.59	1.58	1.57	0.01	0.18%	0.01	0.19%	0.01	0.17%	0.02	0.81%	0.02	0.68%	0.02	0.55%
7_70		3	1.56	1.58	1.57	1.56	1.57	1.56	1.55	1.59	1.58	1.57	0.00	0.16%	0.01	0.17%	0.00	0.16%	0.02	0.74%	0.02	0.63%	0.02	0.51%
7_80		3	1.56	1.58	1.57	1.56	1.56	1.56	1.55	1.58	1.57	1.56	0.00	0.15%	0.00	0.16%	0.00	0.15%	0.02	0.69%	0.02	0.58%	0.01	0.48%

Transect/Receptor Details			Modelled Total NH ₃ Concentrations (µg/m ³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NH ₃ CLvl (µg/m ³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
7_90		3	1.55	1.57	1.56	1.56	1.56	1.55	1.55	1.58	1.57	1.56	0.00	0.14%	0.00	0.15%	0.00	0.14%	0.02	0.65%	0.02	0.55%	0.01	0.45%
7_100		3	1.55	1.57	1.56	1.55	1.55	1.55	1.54	1.57	1.57	1.56	0.00	0.13%	0.00	0.14%	0.00	0.13%	0.02	0.61%	0.02	0.51%	0.01	0.42%
7_110		3	1.55	1.57	1.56	1.55	1.55	1.55	1.54	1.57	1.56	1.55	0.00	0.12%	0.00	0.13%	0.00	0.12%	0.02	0.57%	0.01	0.48%	0.01	0.40%
7_120		3	1.54	1.56	1.56	1.55	1.55	1.55	1.54	1.57	1.56	1.55	0.00	0.12%	0.00	0.12%	0.00	0.11%	0.02	0.54%	0.01	0.46%	0.01	0.38%
7_130		3	1.54	1.56	1.55	1.55	1.55	1.54	1.54	1.56	1.56	1.55	0.00	0.11%	0.00	0.11%	0.00	0.11%	0.02	0.52%	0.01	0.44%	0.01	0.36%
7_140		3	1.54	1.56	1.55	1.55	1.55	1.54	1.54	1.56	1.55	1.55	0.00	0.10%	0.00	0.11%	0.00	0.10%	0.01	0.49%	0.01	0.42%	0.01	0.34%
7_150		3	1.54	1.56	1.55	1.54	1.54	1.54	1.54	1.56	1.55	1.55	0.00	0.10%	0.00	0.10%	0.00	0.10%	0.01	0.47%	0.01	0.40%	0.01	0.33%
7_160		3	1.54	1.55	1.55	1.54	1.54	1.54	1.54	1.56	1.55	1.54	0.00	0.09%	0.00	0.10%	0.00	0.09%	0.01	0.45%	0.01	0.39%	0.01	0.32%
7_170		3	1.53	1.55	1.55	1.54	1.54	1.54	1.53	1.55	1.55	1.54	0.00	0.09%	0.00	0.09%	0.00	0.09%	0.01	0.44%	0.01	0.37%	0.01	0.31%
7_180		3	1.53	1.55	1.54	1.54	1.54	1.54	1.53	1.55	1.55	1.54	0.00	0.09%	0.00	0.09%	0.00	0.09%	0.01	0.42%	0.01	0.36%	0.01	0.30%
7_190		3	1.53	1.55	1.54	1.54	1.54	1.54	1.53	1.55	1.55	1.54	0.00	0.08%	0.00	0.09%	0.00	0.08%	0.01	0.41%	0.01	0.35%	0.01	0.29%
7_200		3	1.53	1.55	1.54	1.54	1.54	1.53	1.53	1.55	1.54	1.54	0.00	0.08%	0.00	0.08%	0.00	0.08%	0.01	0.40%	0.01	0.34%	0.01	0.28%
8_0	Elstow Pit (CWS)	3	1.73	1.75	1.73	1.72	1.73	1.72	1.70	1.75	1.74	1.72	0.00	0.16%	0.00	0.16%	0.01	0.18%	0.02	0.67%	0.02	0.58%	0.02	0.52%
8_10		3	1.72	1.73	1.72	1.70	1.72	1.71	1.69	1.74	1.72	1.71	0.00	0.15%	0.00	0.15%	0.01	0.17%	0.02	0.64%	0.02	0.55%	0.02	0.50%
8_20		3	1.71	1.72	1.71	1.70	1.71	1.70	1.69	1.73	1.71	1.70	0.00	0.14%	0.00	0.14%	0.00	0.16%	0.02	0.60%	0.02	0.53%	0.01	0.48%
8_30		3	1.70	1.71	1.70	1.69	1.70	1.69	1.68	1.72	1.71	1.69	0.00	0.13%	0.00	0.13%	0.00	0.15%	0.02	0.57%	0.02	0.50%	0.01	0.46%
8_40		3	1.69	1.71	1.70	1.68	1.69	1.68	1.68	1.71	1.70	1.69	0.00	0.12%	0.00	0.12%	0.00	0.15%	0.02	0.54%	0.01	0.48%	0.01	0.44%
8_50		3	1.68	1.70	1.69	1.68	1.69	1.68	1.67	1.70	1.69	1.68	0.00	0.12%	0.00	0.12%	0.00	0.14%	0.02	0.52%	0.01	0.46%	0.01	0.42%
8_60		3	1.68	1.70	1.69	1.68	1.68	1.68	1.67	1.70	1.69	1.68	0.00	0.11%	0.00	0.11%	0.00	0.14%	0.01	0.50%	0.01	0.44%	0.01	0.41%
8_70		3	1.68	1.69	1.68	1.67	1.68	1.67	1.67	1.69	1.69	1.68	0.00	0.11%	0.00	0.11%	0.00	0.13%	0.01	0.48%	0.01	0.43%	0.01	0.40%
8_80		3	1.67	1.69	1.68	1.67	1.68	1.67	1.66	1.69	1.68	1.67	0.00	0.11%	0.00	0.11%	0.00	0.13%	0.01	0.46%	0.01	0.41%	0.01	0.38%
8_90		3	1.67	1.68	1.68	1.67	1.67	1.67	1.66	1.69	1.68	1.67	0.00	0.10%	0.00	0.10%	0.00	0.13%	0.01	0.45%	0.01	0.40%	0.01	0.37%
8_100		3	1.67	1.68	1.67	1.67	1.67	1.67	1.66	1.68	1.68	1.67	0.00	0.10%	0.00	0.10%	0.00	0.13%	0.01	0.44%	0.01	0.39%	0.01	0.36%
8_110		3	1.66	1.68	1.67	1.66	1.67	1.66	1.66	1.68	1.67	1.67	0.00	0.10%	0.00	0.10%	0.00	0.12%	0.01	0.43%	0.01	0.38%	0.01	0.36%
8_120		3	1.66	1.68	1.67	1.66	1.67	1.66	1.66	1.68	1.67	1.67	0.00	0.10%	0.00	0.10%	0.00	0.12%	0.01	0.42%	0.01	0.37%	0.01	0.35%
8_130		3	1.66	1.67	1.67	1.66	1.67	1.66	1.65	1.68	1.67	1.66	0.00	0.10%	0.00	0.10%	0.00	0.12%	0.01	0.41%	0.01	0.36%	0.01	0.34%
8_140		3	1.66	1.67	1.67	1.66	1.66	1.66	1.65	1.68	1.67	1.66	0.00	0.09%	0.00	0.10%	0.00	0.12%	0.01	0.40%	0.01	0.36%	0.01	0.34%
8_150		3	1.66	1.67	1.66	1.66	1.66	1.66	1.65	1.67	1.67	1.66	0.00	0.09%	0.00	0.09%	0.00	0.12%	0.01	0.39%	0.01	0.35%	0.01	0.33%
8_160		3	1.65	1.67	1.66	1.66	1.66	1.66	1.65	1.67	1.67	1.66	0.00	0.09%	0.00	0.09%	0.00	0.12%	0.01	0.39%	0.01	0.35%	0.01	0.33%
8_170		3	1.65	1.67	1.66	1.66	1.66	1.65	1.65	1.67	1.67	1.66	0.00	0.09%	0.00	0.09%	0.00	0.11%	0.01	0.38%	0.01	0.34%	0.01	0.32%
8_180		3	1.65	1.67	1.66	1.65	1.66	1.65	1.65	1.67	1.66	1.66	0.00	0.09%	0.00	0.09%	0.00	0.11%	0.01	0.37%	0.01	0.34%	0.01	0.32%
8_190		3	1.65	1.67	1.66	1.65	1.66	1.65	1.65	1.67	1.66	1.66	0.00	0.09%	0.00	0.09%	0.00	0.11%	0.01	0.37%	0.01	0.33%	0.01	0.31%
8_200		3	1.65	1.67	1.66	1.65	1.66	1.65	1.65	1.67	1.66	1.66	0.00	0.09%	0.00	0.09%	0.00	0.11%	0.01	0.36%	0.01	0.33%	0.01	0.31%
9_0		3	1.64	1.66	1.66	1.65	1.65	1.64	1.64	1.68	1.67	1.67	0.02	0.56%	0.02	0.59%	0.01	0.49%	0.03	1.04%	0.03	1.02%	0.03	0.85%



Transect/Receptor Details			Modelled Total NH ₃ Concentrations (µg/m ³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NH ₃ CLvl (µg/m ³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
9_10	Kempston Hardwick Pit (CWS)	3	1.64	1.66	1.65	1.65	1.65	1.64	1.64	1.68	1.67	1.66	0.02	0.55%	0.02	0.58%	0.01	0.48%	0.03	1.00%	0.03	0.98%	0.02	0.82%
9_20		3	1.64	1.66	1.65	1.65	1.65	1.64	1.64	1.67	1.67	1.66	0.02	0.53%	0.02	0.56%	0.01	0.47%	0.03	0.95%	0.03	0.92%	0.02	0.79%
9_30		3	1.64	1.66	1.65	1.65	1.64	1.64	1.64	1.67	1.67	1.66	0.02	0.51%	0.02	0.53%	0.01	0.46%	0.03	0.90%	0.03	0.88%	0.02	0.75%
9_40		3	1.64	1.65	1.65	1.65	1.64	1.64	1.64	1.67	1.67	1.66	0.01	0.49%	0.02	0.51%	0.01	0.45%	0.03	0.86%	0.03	0.84%	0.02	0.72%
9_50		3	1.63	1.65	1.65	1.64	1.64	1.64	1.64	1.67	1.66	1.66	0.01	0.47%	0.01	0.49%	0.01	0.43%	0.02	0.82%	0.02	0.80%	0.02	0.70%
9_60		3	1.63	1.65	1.65	1.64	1.64	1.64	1.64	1.67	1.66	1.66	0.01	0.46%	0.01	0.48%	0.01	0.42%	0.02	0.79%	0.02	0.77%	0.02	0.67%
9_70		3	1.63	1.65	1.65	1.64	1.64	1.64	1.64	1.66	1.66	1.66	0.01	0.44%	0.01	0.46%	0.01	0.41%	0.02	0.76%	0.02	0.74%	0.02	0.65%
9_80		3	1.63	1.65	1.65	1.64	1.64	1.64	1.64	1.66	1.66	1.65	0.01	0.42%	0.01	0.44%	0.01	0.40%	0.02	0.73%	0.02	0.71%	0.02	0.63%
9_90		3	1.63	1.65	1.65	1.64	1.64	1.64	1.64	1.66	1.66	1.65	0.01	0.41%	0.01	0.43%	0.01	0.39%	0.02	0.71%	0.02	0.69%	0.02	0.61%
9_100		3	1.63	1.65	1.65	1.64	1.64	1.64	1.63	1.66	1.66	1.65	0.01	0.40%	0.01	0.41%	0.01	0.38%	0.02	0.69%	0.02	0.66%	0.02	0.60%
9_110		3	1.63	1.65	1.65	1.64	1.64	1.64	1.63	1.66	1.66	1.65	0.01	0.38%	0.01	0.40%	0.01	0.37%	0.02	0.67%	0.02	0.64%	0.02	0.58%
9_120		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.66	1.65	0.01	0.37%	0.01	0.39%	0.01	0.37%	0.02	0.65%	0.02	0.63%	0.02	0.57%
9_130		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.66	1.65	0.01	0.36%	0.01	0.37%	0.01	0.36%	0.02	0.63%	0.02	0.61%	0.02	0.56%
9_140		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.66	1.65	0.01	0.35%	0.01	0.36%	0.01	0.35%	0.02	0.61%	0.02	0.59%	0.02	0.55%
9_150		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.65	1.65	0.01	0.34%	0.01	0.35%	0.01	0.34%	0.02	0.60%	0.02	0.58%	0.02	0.53%
9_160		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.65	1.65	0.01	0.33%	0.01	0.34%	0.01	0.34%	0.02	0.58%	0.02	0.56%	0.02	0.52%
9_170		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.65	1.65	0.01	0.32%	0.01	0.33%	0.01	0.33%	0.02	0.57%	0.02	0.55%	0.02	0.52%
9_180		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.65	1.65	0.01	0.31%	0.01	0.33%	0.01	0.33%	0.02	0.56%	0.02	0.54%	0.02	0.51%
9_190		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.65	1.65	0.01	0.31%	0.01	0.32%	0.01	0.32%	0.02	0.55%	0.02	0.53%	0.01	0.50%
9_200		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.65	1.65	0.01	0.30%	0.01	0.31%	0.01	0.32%	0.02	0.54%	0.02	0.52%	0.01	0.49%
10_0		3	1.75	1.81	1.79	1.77	1.75	1.73	1.72	1.82	1.81	1.77	0.01	0.41%	0.02	0.52%	0.01	0.20%	0.08	2.58%	0.07	2.42%	0.05	1.80%
10_10		3	1.71	1.76	1.74	1.73	1.71	1.70	1.69	1.77	1.76	1.73	0.01	0.36%	0.01	0.43%	0.01	0.21%	0.06	1.93%	0.05	1.81%	0.04	1.36%
10_20		3	1.69	1.73	1.71	1.70	1.69	1.68	1.67	1.74	1.73	1.71	0.01	0.33%	0.01	0.38%	0.01	0.21%	0.05	1.52%	0.04	1.42%	0.03	1.08%
10_30		3	1.67	1.71	1.70	1.68	1.68	1.67	1.66	1.72	1.71	1.69	0.01	0.31%	0.01	0.35%	0.01	0.21%	0.04	1.27%	0.04	1.19%	0.03	0.91%
10_40		3	1.66	1.69	1.68	1.67	1.67	1.66	1.66	1.70	1.69	1.68	0.01	0.29%	0.01	0.32%	0.01	0.21%	0.03	1.10%	0.03	1.03%	0.02	0.80%
10_50		3	1.66	1.68	1.68	1.67	1.66	1.66	1.65	1.69	1.69	1.67	0.01	0.28%	0.01	0.30%	0.01	0.20%	0.03	0.99%	0.03	0.92%	0.02	0.72%
10_60		3	1.65	1.68	1.67	1.66	1.66	1.65	1.65	1.69	1.68	1.67	0.01	0.27%	0.01	0.29%	0.01	0.20%	0.03	0.90%	0.03	0.84%	0.02	0.66%
10_70		3	1.65	1.67	1.67	1.66	1.65	1.65	1.65	1.68	1.67	1.66	0.01	0.26%	0.01	0.28%	0.01	0.20%	0.02	0.83%	0.02	0.77%	0.02	0.62%
10_80		3	1.64	1.67	1.66	1.65	1.65	1.65	1.64	1.68	1.67	1.66	0.01	0.25%	0.01	0.27%	0.01	0.20%	0.02	0.77%	0.02	0.72%	0.02	0.58%
10_90		3	1.64	1.66	1.66	1.65	1.65	1.65	1.64	1.67	1.67	1.66	0.01	0.25%	0.01	0.26%	0.01	0.20%	0.02	0.73%	0.02	0.68%	0.02	0.55%
10_100		3	1.64	1.66	1.66	1.65	1.65	1.64	1.64	1.67	1.66	1.66	0.01	0.24%	0.01	0.25%	0.01	0.20%	0.02	0.69%	0.02	0.65%	0.02	0.52%
10_110		3	1.64	1.66	1.65	1.65	1.65	1.64	1.64	1.67	1.66	1.65	0.01	0.24%	0.01	0.25%	0.01	0.19%	0.02	0.66%	0.02	0.62%	0.02	0.50%
10_120		3	1.64	1.66	1.65	1.65	1.65	1.64	1.64	1.66	1.66	1.65	0.01	0.23%	0.01	0.24%	0.01	0.19%	0.02	0.63%	0.02	0.59%	0.01	0.49%
10_130		3	1.64	1.66	1.65	1.65	1.64	1.64	1.64	1.66	1.66	1.65	0.01	0.23%	0.01	0.24%	0.01	0.19%	0.02	0.61%	0.02	0.57%	0.01	0.47%

Transect/Receptor Details			Modelled Total NH ₃ Concentrations (µg/m ³)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Distance Inside of Site)	Ecological Site	NH ₃ CLvl (µg/m ³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
10_140		3	1.64	1.65	1.65	1.64	1.64	1.64	1.64	1.66	1.66	1.65	0.01	0.22%	0.01	0.23%	0.01	0.19%	0.02	0.59%	0.02	0.55%	0.01	0.46%
10_150		3	1.63	1.65	1.65	1.64	1.64	1.64	1.64	1.66	1.66	1.65	0.01	0.22%	0.01	0.23%	0.01	0.19%	0.02	0.57%	0.02	0.53%	0.01	0.45%
10_160		3	1.63	1.65	1.65	1.64	1.64	1.64	1.64	1.66	1.65	1.65	0.01	0.22%	0.01	0.23%	0.01	0.19%	0.02	0.56%	0.02	0.52%	0.01	0.44%
10_170		3	1.63	1.65	1.65	1.64	1.64	1.64	1.64	1.66	1.65	1.65	0.01	0.22%	0.01	0.22%	0.01	0.19%	0.02	0.54%	0.02	0.51%	0.01	0.43%
10_180		3	1.63	1.65	1.65	1.64	1.64	1.64	1.63	1.66	1.65	1.65	0.01	0.21%	0.01	0.22%	0.01	0.19%	0.02	0.53%	0.01	0.50%	0.01	0.42%
10_190		3	1.63	1.65	1.65	1.64	1.64	1.64	1.63	1.66	1.65	1.65	0.01	0.21%	0.01	0.22%	0.01	0.19%	0.02	0.52%	0.01	0.49%	0.01	0.41%
10_200		3	1.63	1.65	1.64	1.64	1.64	1.64	1.63	1.66	1.65	1.65	0.01	0.21%	0.01	0.22%	0.01	0.19%	0.02	0.51%	0.01	0.48%	0.01	0.41%
11_0		3	1.74	1.80	1.78	1.76	1.74	1.73	1.72	1.81	1.80	1.77	0.01	0.27%	0.01	0.37%	0.01	0.17%	0.07	2.25%	0.06	2.12%	0.05	1.64%
11_10		3	1.71	1.75	1.74	1.72	1.71	1.70	1.69	1.76	1.75	1.73	0.01	0.21%	0.01	0.28%	0.00	0.15%	0.05	1.65%	0.05	1.55%	0.04	1.22%
11_20		3	1.69	1.73	1.71	1.70	1.69	1.68	1.68	1.73	1.72	1.70	0.01	0.18%	0.01	0.24%	0.00	0.15%	0.04	1.29%	0.04	1.21%	0.03	0.96%
11_30		3	1.67	1.71	1.70	1.69	1.68	1.67	1.67	1.71	1.70	1.69	0.00	0.17%	0.01	0.21%	0.00	0.14%	0.03	1.07%	0.03	1.00%	0.02	0.81%
11_40		3	1.67	1.70	1.69	1.68	1.67	1.67	1.66	1.70	1.69	1.68	0.00	0.15%	0.01	0.19%	0.00	0.14%	0.03	0.92%	0.03	0.86%	0.02	0.71%
11_50		3	1.66	1.69	1.68	1.67	1.67	1.66	1.66	1.69	1.68	1.67	0.00	0.15%	0.01	0.18%	0.00	0.14%	0.02	0.82%	0.02	0.77%	0.02	0.64%
11_60		3	1.65	1.68	1.67	1.67	1.66	1.66	1.65	1.68	1.68	1.67	0.00	0.14%	0.01	0.17%	0.00	0.14%	0.02	0.74%	0.02	0.69%	0.02	0.58%
11_70		3	1.65	1.68	1.67	1.66	1.66	1.65	1.65	1.68	1.67	1.67	0.00	0.14%	0.00	0.16%	0.00	0.14%	0.02	0.68%	0.02	0.64%	0.02	0.54%
11_80		3	1.65	1.67	1.67	1.66	1.66	1.65	1.65	1.68	1.67	1.66	0.00	0.14%	0.00	0.16%	0.00	0.15%	0.02	0.63%	0.02	0.59%	0.02	0.51%
11_90		3	1.65	1.67	1.66	1.66	1.65	1.65	1.65	1.67	1.67	1.66	0.00	0.13%	0.00	0.15%	0.00	0.15%	0.02	0.59%	0.02	0.56%	0.01	0.49%
11_100		3	1.64	1.67	1.66	1.65	1.65	1.65	1.64	1.67	1.66	1.66	0.00	0.13%	0.00	0.15%	0.00	0.15%	0.02	0.56%	0.02	0.53%	0.01	0.47%
11_110		3	1.64	1.66	1.66	1.65	1.65	1.65	1.64	1.67	1.66	1.66	0.00	0.13%	0.00	0.15%	0.00	0.15%	0.02	0.54%	0.02	0.50%	0.01	0.45%
11_120		3	1.64	1.66	1.66	1.65	1.65	1.65	1.64	1.67	1.66	1.66	0.00	0.13%	0.00	0.14%	0.00	0.15%	0.02	0.51%	0.01	0.48%	0.01	0.43%
11_130		3	1.64	1.66	1.66	1.65	1.65	1.65	1.64	1.66	1.66	1.65	0.00	0.13%	0.00	0.14%	0.00	0.15%	0.01	0.49%	0.01	0.46%	0.01	0.42%
11_140		3	1.64	1.66	1.65	1.65	1.65	1.65	1.64	1.66	1.66	1.65	0.00	0.13%	0.00	0.14%	0.00	0.15%	0.01	0.48%	0.01	0.45%	0.01	0.41%
11_150		3	1.64	1.66	1.65	1.65	1.65	1.64	1.64	1.66	1.66	1.65	0.00	0.13%	0.00	0.14%	0.00	0.16%	0.01	0.46%	0.01	0.43%	0.01	0.40%
11_160		3	1.64	1.66	1.65	1.65	1.65	1.64	1.64	1.66	1.66	1.65	0.00	0.13%	0.00	0.14%	0.00	0.16%	0.01	0.45%	0.01	0.42%	0.01	0.39%
11_170		3	1.64	1.66	1.65	1.65	1.65	1.64	1.64	1.66	1.66	1.65	0.00	0.13%	0.00	0.14%	0.00	0.16%	0.01	0.44%	0.01	0.41%	0.01	0.39%
11_180		3	1.64	1.66	1.65	1.65	1.65	1.64	1.64	1.66	1.65	1.65	0.00	0.13%	0.00	0.14%	0.00	0.16%	0.01	0.43%	0.01	0.40%	0.01	0.38%
11_190		3	1.64	1.65	1.65	1.65	1.65	1.64	1.64	1.66	1.65	1.65	0.00	0.13%	0.00	0.14%	0.00	0.16%	0.01	0.42%	0.01	0.39%	0.01	0.38%
11_200		3	1.64	1.65	1.65	1.64	1.65	1.64	1.64	1.66	1.65	1.65	0.00	0.13%	0.00	0.14%	0.00	0.17%	0.01	0.41%	0.01	0.38%	0.01	0.37%
12_0	Kempston West End (CWS)	3	2.91	2.91	2.70	2.54	2.75	2.57	2.43	2.92	2.71	2.55	0.01	0.30%	0.01	0.19%	0.01	0.26%	0.17	5.75%	0.14	4.68%	0.12	3.99%
12_10		3	2.63	2.63	2.47	2.35	2.51	2.37	2.26	2.63	2.47	2.35	0.00	0.12%	0.00	0.07%	0.00	0.14%	0.13	4.23%	0.10	3.45%	0.09	2.95%
12_20		3	2.36	2.36	2.25	2.16	2.27	2.18	2.10	2.36	2.25	2.16	0.00	-0.04%	0.00	-0.03%	0.00	0.02%	0.08	2.77%	0.07	2.28%	0.06	1.95%
12_30		3	2.22	2.22	2.14	2.07	2.16	2.08	2.03	2.22	2.14	2.07	0.00	-0.10%	0.00	-0.07%	0.00	-0.02%	0.06	2.06%	0.05	1.71%	0.04	1.46%
12_40		3	2.14	2.14	2.07	2.01	2.09	2.03	1.98	2.14	2.07	2.01	0.00	-0.11%	0.00	-0.07%	0.00	-0.03%	0.05	1.66%	0.04	1.39%	0.04	1.18%
12_50		3	2.09	2.09	2.03	1.98	2.05	1.99	1.95	2.09	2.03	1.98	0.00	-0.10%	0.00	-0.06%	0.00	-0.03%	0.04	1.40%	0.04	1.18%	0.03	1.01%



Transect/Receptor Details			Modelled Total NH ₃ Concentrations (µg/m ³)										Proposed Development alone						Proposed Development in-combination with other plans and projects						
Transect ID (Distance Inside of Site)	Ecological Site	NH ₃ CLvl (µg/m ³)	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		
													Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl	Change NH ₃ (µg/m ³)
12_60		3	2.05	2.05	2.00	1.95	2.01	1.96	1.92	2.05	1.99	1.95	0.00	-0.08%	0.00	-0.04%	0.00	-0.02%	0.04	1.23%	0.03	1.05%	0.03	0.89%	
12_70		3	2.02	2.02	1.97	1.93	1.99	1.94	1.91	2.02	1.97	1.93	0.00	-0.06%	0.00	-0.02%	0.00	0.00%	0.03	1.12%	0.03	0.96%	0.02	0.82%	
12_80		3	2.00	2.00	1.95	1.92	1.97	1.93	1.89	2.00	1.95	1.92	0.00	-0.04%	0.00	0.00%	0.00	0.01%	0.03	1.03%	0.03	0.89%	0.02	0.76%	
12_90		3	1.98	1.98	1.94	1.90	1.95	1.91	1.88	1.98	1.94	1.90	0.00	-0.02%	0.00	0.02%	0.00	0.03%	0.03	0.98%	0.03	0.85%	0.02	0.72%	
12_100		3	1.96	1.97	1.93	1.89	1.94	1.90	1.87	1.97	1.93	1.90	0.00	0.00%	0.00	0.04%	0.00	0.05%	0.03	0.93%	0.02	0.81%	0.02	0.70%	
12_110		3	1.95	1.96	1.92	1.89	1.93	1.90	1.87	1.96	1.92	1.89	0.00	0.03%	0.00	0.05%	0.00	0.06%	0.03	0.90%	0.02	0.79%	0.02	0.68%	
12_120		3	1.94	1.95	1.91	1.88	1.92	1.89	1.86	1.95	1.91	1.88	0.00	0.04%	0.00	0.07%	0.00	0.07%	0.03	0.88%	0.02	0.77%	0.02	0.66%	
12_130		3	1.94	1.94	1.91	1.88	1.92	1.89	1.86	1.94	1.91	1.88	0.00	0.06%	0.00	0.08%	0.00	0.08%	0.03	0.86%	0.02	0.75%	0.02	0.65%	
Notes CLvl = Critical Level																									



Table 1-3 - Nitrogen Deposition (kg/ha/yr)

Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd
1_0	Maulden Wood and Pennyfather's Hills (SSSI/AW)	15	31.61	27.82	26.67	26.28	27.33	26.32	25.99	27.97	26.78	26.40	0.16	1.04%	0.11	0.74%	0.12	0.80%	0.65	4.32%	0.45	3.03%	0.41	2.75%
1_10		15	29.50	26.22	25.49	25.26	25.92	25.28	25.08	26.32	25.55	25.33	0.10	0.66%	0.07	0.44%	0.07	0.48%	0.40	2.66%	0.27	1.82%	0.25	1.64%
1_20		15	28.38	25.41	24.90	24.75	25.21	24.76	24.63	25.48	24.94	24.79	0.06	0.43%	0.05	0.30%	0.05	0.32%	0.27	1.79%	0.18	1.22%	0.17	1.10%
1_30		15	27.79	24.99	24.60	24.49	24.84	24.50	24.40	25.04	24.63	24.52	0.05	0.32%	0.03	0.22%	0.04	0.23%	0.20	1.36%	0.13	0.89%	0.12	0.80%
1_40		15	27.43	24.74	24.42	24.33	24.62	24.34	24.26	24.78	24.45	24.36	0.04	0.28%	0.03	0.17%	0.03	0.20%	0.16	1.10%	0.11	0.71%	0.10	0.65%
1_50		15	27.19	24.57	24.30	24.23	24.47	24.24	24.17	24.61	24.32	24.25	0.04	0.23%	0.02	0.15%	0.02	0.15%	0.14	0.91%	0.09	0.59%	0.08	0.53%
1_60		15	27.01	24.45	24.22	24.15	24.36	24.16	24.11	24.48	24.24	24.17	0.03	0.20%	0.02	0.13%	0.02	0.14%	0.12	0.78%	0.08	0.50%	0.07	0.45%
1_70		15	26.88	24.36	24.15	24.10	24.28	24.10	24.06	24.39	24.17	24.12	0.02	0.16%	0.02	0.12%	0.02	0.12%	0.10	0.68%	0.07	0.45%	0.06	0.40%
1_80		15	26.77	24.29	24.11	24.06	24.22	24.06	24.02	24.32	24.12	24.07	0.02	0.15%	0.02	0.11%	0.02	0.11%	0.09	0.62%	0.06	0.40%	0.05	0.35%
1_90		15	26.69	24.24	24.07	24.03	24.17	24.03	23.99	24.26	24.08	24.04	0.02	0.13%	0.01	0.08%	0.01	0.09%	0.08	0.55%	0.05	0.35%	0.05	0.32%
1_100		15	26.62	24.19	24.04	24.00	24.13	24.00	23.97	24.21	24.05	24.01	0.02	0.12%	0.01	0.08%	0.01	0.10%	0.08	0.50%	0.05	0.30%	0.04	0.30%
1_110		15	26.56	24.15	24.01	23.97	24.10	23.98	23.95	24.17	24.02	23.99	0.02	0.13%	0.01	0.07%	0.01	0.09%	0.07	0.48%	0.04	0.28%	0.04	0.26%
1_120		15	26.52	24.12	23.99	23.96	24.07	23.96	23.93	24.14	24.00	23.97	0.02	0.11%	0.01	0.07%	0.01	0.07%	0.07	0.44%	0.04	0.26%	0.04	0.25%
1_130		15	26.47	24.10	23.97	23.94	24.05	23.94	23.92	24.11	23.98	23.95	0.01	0.09%	0.01	0.08%	0.01	0.09%	0.06	0.39%	0.04	0.25%	0.04	0.23%
1_140		15	26.44	24.07	23.95	23.93	24.03	23.93	23.90	24.09	23.96	23.94	0.02	0.10%	0.01	0.06%	0.01	0.06%	0.06	0.37%	0.04	0.24%	0.03	0.20%
1_150		15	26.41	24.05	23.94	23.91	24.01	23.92	23.89	24.07	23.95	23.92	0.01	0.10%	0.01	0.06%	0.01	0.06%	0.05	0.36%	0.03	0.23%	0.03	0.19%
1_160		15	26.38	24.03	23.93	23.90	24.00	23.91	23.88	24.05	23.94	23.91	0.01	0.10%	0.01	0.06%	0.01	0.06%	0.05	0.33%	0.03	0.22%	0.03	0.19%
1_170		15	26.36	24.02	23.92	23.89	23.98	23.90	23.88	24.03	23.93	23.90	0.01	0.08%	0.01	0.05%	0.01	0.06%	0.05	0.32%	0.03	0.21%	0.03	0.18%
1_180		15	26.33	24.00	23.91	23.88	23.97	23.89	23.87	24.02	23.92	23.89	0.01	0.07%	0.01	0.05%	0.01	0.05%	0.05	0.31%	0.03	0.18%	0.02	0.15%
1_190		15	26.32	23.99	23.90	23.88	23.96	23.88	23.86	24.00	23.91	23.89	0.01	0.07%	0.01	0.05%	0.01	0.05%	0.04	0.29%	0.03	0.18%	0.02	0.17%
1_200		15	26.30	23.98	23.89	23.87	23.95	23.87	23.86	23.99	23.90	23.88	0.01	0.07%	0.01	0.05%	0.01	0.05%	0.04	0.28%	0.03	0.17%	0.02	0.16%
2_0		15	33.25	29.07	27.60	27.09	28.43	27.15	26.70	29.15	27.65	27.16	0.07	0.50%	0.05	0.33%	0.07	0.46%	0.72	4.77%	0.50	3.36%	0.46	3.05%
2_10		15	29.79	26.42	25.63	25.38	26.10	25.41	25.19	26.49	25.68	25.44	0.07	0.47%	0.05	0.33%	0.06	0.38%	0.40	2.65%	0.27	1.81%	0.25	1.65%
2_20		15	28.50	25.48	24.95	24.79	25.27	24.80	24.67	25.54	24.98	24.83	0.05	0.36%	0.04	0.24%	0.04	0.26%	0.27	1.79%	0.18	1.20%	0.16	1.07%
2_30		15	27.86	25.03	24.62	24.51	24.87	24.52	24.42	25.07	24.65	24.54	0.04	0.29%	0.03	0.20%	0.03	0.21%	0.20	1.34%	0.13	0.90%	0.12	0.79%
2_40		15	27.48	24.77	24.44	24.34	24.64	24.35	24.27	24.80	24.46	24.37	0.03	0.22%	0.02	0.15%	0.02	0.16%	0.16	1.07%	0.10	0.70%	0.09	0.63%



Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd
2_50		15	27.22	24.59	24.32	24.24	24.49	24.25	24.18	24.62	24.34	24.26	0.03	0.20%	0.02	0.14%	0.02	0.14%	0.14	0.90%	0.09	0.60%	0.08	0.54%
2_60		15	27.04	24.47	24.23	24.16	24.38	24.17	24.11	24.50	24.24	24.18	0.03	0.19%	0.02	0.10%	0.02	0.13%	0.12	0.77%	0.08	0.50%	0.07	0.46%
2_70		15	26.90	24.38	24.16	24.11	24.30	24.11	24.06	24.40	24.18	24.13	0.02	0.16%	0.02	0.11%	0.02	0.12%	0.10	0.68%	0.06	0.43%	0.06	0.40%
2_80		15	26.80	24.31	24.11	24.07	24.24	24.07	24.03	24.33	24.13	24.08	0.02	0.15%	0.02	0.10%	0.01	0.09%	0.09	0.62%	0.06	0.39%	0.05	0.35%
2_90		15	26.71	24.25	24.08	24.03	24.19	24.04	24.00	24.27	24.09	24.04	0.02	0.12%	0.01	0.08%	0.01	0.08%	0.08	0.55%	0.05	0.35%	0.05	0.32%
2_100		15	26.65	24.20	24.04	24.00	24.15	24.01	23.97	24.22	24.06	24.02	0.02	0.12%	0.01	0.09%	0.01	0.10%	0.08	0.50%	0.05	0.32%	0.04	0.30%
2_110		15	26.59	24.17	24.02	23.98	24.11	23.99	23.95	24.18	24.03	23.99	0.02	0.11%	0.01	0.07%	0.01	0.09%	0.07	0.46%	0.04	0.28%	0.04	0.28%
2_120		15	26.54	24.13	24.00	23.96	24.09	23.97	23.94	24.15	24.01	23.97	0.02	0.11%	0.01	0.06%	0.01	0.07%	0.06	0.42%	0.04	0.27%	0.04	0.25%
2_130		15	26.50	24.11	23.98	23.95	24.06	23.95	23.92	24.12	23.99	23.96	0.02	0.10%	0.01	0.08%	0.01	0.06%	0.06	0.41%	0.04	0.25%	0.03	0.22%
2_140		15	26.46	24.08	23.96	23.93	24.04	23.93	23.91	24.10	23.97	23.94	0.02	0.10%	0.01	0.06%	0.01	0.06%	0.06	0.37%	0.04	0.24%	0.03	0.21%
2_150		15	26.43	24.06	23.95	23.92	24.02	23.92	23.90	24.08	23.96	23.93	0.01	0.10%	0.01	0.06%	0.01	0.06%	0.05	0.36%	0.03	0.23%	0.03	0.20%
2_160		15	26.40	24.04	23.94	23.91	24.01	23.91	23.89	24.06	23.94	23.92	0.01	0.10%	0.01	0.05%	0.01	0.06%	0.05	0.33%	0.03	0.22%	0.03	0.19%
2_170		15	26.37	24.03	23.93	23.90	23.99	23.90	23.88	24.04	23.93	23.91	0.01	0.07%	0.01	0.05%	0.01	0.05%	0.05	0.32%	0.03	0.21%	0.03	0.18%
2_180		15	26.35	24.01	23.92	23.89	23.98	23.89	23.87	24.03	23.92	23.90	0.01	0.07%	0.01	0.05%	0.01	0.05%	0.05	0.31%	0.03	0.20%	0.03	0.17%
2_190		15	26.33	24.00	23.91	23.88	23.97	23.89	23.87	24.01	23.91	23.89	0.01	0.07%	0.01	0.05%	0.01	0.05%	0.05	0.31%	0.03	0.18%	0.02	0.15%
2_200		15	26.31	23.99	23.90	23.88	23.96	23.88	23.86	24.00	23.90	23.88	0.01	0.07%	0.01	0.05%	0.01	0.05%	0.04	0.28%	0.03	0.17%	0.02	0.16%
3_0		15	34.12	29.76	28.11	27.54	29.04	27.60	27.10	29.99	28.28	27.71	0.23	1.54%	0.17	1.12%	0.18	1.17%	0.95	6.33%	0.68	4.53%	0.61	4.09%
3_10		15	29.72	26.38	25.61	25.36	26.06	25.39	25.17	26.49	25.68	25.43	0.10	0.68%	0.07	0.49%	0.08	0.51%	0.42	2.82%	0.29	1.95%	0.26	1.75%
3_20		15	28.44	25.45	24.93	24.77	25.24	24.79	24.65	25.52	24.97	24.82	0.07	0.45%	0.05	0.31%	0.05	0.32%	0.28	1.84%	0.19	1.24%	0.17	1.13%
3_30		15	27.81	25.00	24.60	24.49	24.85	24.50	24.40	25.05	24.64	24.53	0.05	0.34%	0.03	0.23%	0.04	0.24%	0.21	1.37%	0.13	0.90%	0.12	0.83%
3_40		15	27.43	24.74	24.42	24.32	24.61	24.34	24.26	24.78	24.44	24.35	0.04	0.26%	0.03	0.17%	0.03	0.20%	0.16	1.08%	0.11	0.70%	0.09	0.63%
3_50		15	27.17	24.56	24.29	24.22	24.46	24.23	24.16	24.60	24.31	24.24	0.04	0.23%	0.02	0.14%	0.02	0.15%	0.13	0.89%	0.08	0.57%	0.08	0.52%
3_60		15	26.99	24.44	24.21	24.14	24.35	24.15	24.10	24.47	24.22	24.16	0.03	0.20%	0.02	0.11%	0.02	0.13%	0.11	0.75%	0.07	0.48%	0.07	0.44%
3_70		15	26.86	24.35	24.14	24.09	24.27	24.09	24.05	24.37	24.16	24.10	0.02	0.16%	0.02	0.12%	0.02	0.10%	0.10	0.66%	0.06	0.43%	0.06	0.38%
3_80		15	26.75	24.28	24.09	24.05	24.21	24.05	24.01	24.30	24.11	24.06	0.02	0.15%	0.02	0.11%	0.02	0.11%	0.09	0.58%	0.06	0.37%	0.05	0.34%
3_90		15	26.67	24.22	24.05	24.01	24.16	24.02	23.98	24.24	24.07	24.03	0.02	0.12%	0.01	0.10%	0.02	0.10%	0.08	0.52%	0.05	0.34%	0.04	0.29%
3_100		15	26.60	24.17	24.02	23.98	24.12	23.99	23.96	24.19	24.04	24.00	0.02	0.12%	0.01	0.07%	0.01	0.08%	0.07	0.46%	0.04	0.29%	0.04	0.27%



Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd
3_110		15	26.54	24.14	24.00	23.96	24.09	23.97	23.94	24.15	24.01	23.97	0.02	0.11%	0.01	0.09%	0.01	0.07%	0.06	0.43%	0.04	0.27%	0.04	0.23%
3_120		15	26.49	24.10	23.98	23.94	24.06	23.95	23.92	24.12	23.99	23.95	0.02	0.11%	0.01	0.06%	0.01	0.07%	0.06	0.41%	0.04	0.26%	0.04	0.24%
3_130		15	26.45	24.08	23.96	23.93	24.04	23.93	23.91	24.09	23.97	23.94	0.01	0.08%	0.01	0.06%	0.01	0.06%	0.05	0.36%	0.03	0.22%	0.03	0.21%
3_140		15	26.41	24.05	23.94	23.91	24.02	23.92	23.89	24.07	23.95	23.92	0.02	0.10%	0.01	0.04%	0.01	0.06%	0.05	0.34%	0.03	0.21%	0.03	0.19%
3_150		15	26.38	24.03	23.93	23.90	24.00	23.90	23.88	24.04	23.93	23.91	0.01	0.08%	0.01	0.05%	0.01	0.06%	0.05	0.31%	0.03	0.20%	0.03	0.18%
3_160		15	26.35	24.01	23.91	23.89	23.98	23.89	23.87	24.02	23.92	23.90	0.01	0.08%	0.01	0.05%	0.01	0.05%	0.05	0.30%	0.03	0.19%	0.03	0.18%
3_170		15	26.32	24.00	23.90	23.88	23.96	23.88	23.86	24.01	23.91	23.89	0.01	0.07%	0.01	0.05%	0.01	0.05%	0.04	0.29%	0.03	0.18%	0.03	0.17%
3_180		15	26.30	23.98	23.89	23.87	23.95	23.88	23.86	23.99	23.90	23.88	0.01	0.05%	0.01	0.05%	0.01	0.05%	0.04	0.27%	0.02	0.15%	0.02	0.14%
3_190		15	26.28	23.97	23.89	23.87	23.94	23.87	23.85	23.98	23.89	23.87	0.01	0.05%	0.00	0.03%	0.00	0.03%	0.04	0.26%	0.02	0.15%	0.02	0.14%
3_200		15	26.26	23.96	23.88	23.86	23.93	23.86	23.85	23.97	23.88	23.87	0.01	0.05%	0.01	0.05%	0.01	0.05%	0.03	0.23%	0.02	0.16%	0.02	0.13%
4_0	Stewartby Lake (CWS)	10	17.71	15.58	14.98	14.77	15.36	14.83	14.64	15.74	15.13	14.96	0.16	1.58%	0.15	1.53%	0.18	1.83%	0.38	3.81%	0.31	3.07%	0.31	3.14%
4_10		10	17.47	15.39	14.83	14.64	15.18	14.69	14.52	15.54	14.97	14.81	0.15	1.50%	0.14	1.44%	0.17	1.71%	0.35	3.54%	0.28	2.85%	0.29	2.89%
4_20		10	17.18	15.16	14.66	14.49	14.98	14.53	14.38	15.30	14.79	14.64	0.14	1.41%	0.13	1.31%	0.16	1.56%	0.32	3.23%	0.26	2.57%	0.26	2.61%
4_30		10	16.94	14.98	14.51	14.36	14.81	14.40	14.26	15.11	14.63	14.50	0.13	1.32%	0.12	1.21%	0.14	1.44%	0.30	2.96%	0.23	2.34%	0.24	2.39%
4_40		10	16.74	14.83	14.39	14.25	14.68	14.29	14.17	14.95	14.51	14.39	0.12	1.24%	0.11	1.13%	0.13	1.32%	0.27	2.74%	0.22	2.16%	0.22	2.19%
4_50		10	16.57	14.70	14.29	14.16	14.56	14.20	14.08	14.81	14.40	14.29	0.11	1.15%	0.10	1.04%	0.12	1.22%	0.25	2.53%	0.20	1.98%	0.20	2.02%
4_60		10	16.42	14.58	14.21	14.09	14.46	14.12	14.01	14.69	14.31	14.20	0.11	1.09%	0.10	0.97%	0.11	1.14%	0.24	2.36%	0.19	1.85%	0.19	1.89%
4_70		10	16.29	14.49	14.13	14.02	14.37	14.05	13.95	14.59	14.23	14.13	0.10	1.04%	0.09	0.92%	0.11	1.07%	0.22	2.22%	0.17	1.74%	0.18	1.76%
4_80		10	16.17	14.40	14.07	13.96	14.29	13.99	13.90	14.50	14.15	14.06	0.10	0.97%	0.09	0.86%	0.10	1.02%	0.21	2.10%	0.16	1.62%	0.17	1.65%
4_90		10	16.07	14.32	14.01	13.91	14.22	13.94	13.85	14.42	14.09	14.01	0.09	0.93%	0.08	0.81%	0.10	0.96%	0.20	1.98%	0.15	1.53%	0.16	1.56%
4_100		10	15.98	14.26	13.96	13.87	14.16	13.89	13.81	14.35	14.04	13.96	0.09	0.87%	0.08	0.77%	0.09	0.90%	0.19	1.87%	0.14	1.45%	0.15	1.47%
4_110		10	15.89	14.20	13.91	13.82	14.10	13.85	13.77	14.28	13.99	13.91	0.08	0.85%	0.07	0.73%	0.08	0.85%	0.18	1.78%	0.14	1.37%	0.14	1.40%
4_120		10	15.82	14.14	13.87	13.79	14.05	13.81	13.74	14.22	13.94	13.87	0.08	0.81%	0.07	0.70%	0.08	0.81%	0.17	1.69%	0.13	1.31%	0.13	1.32%
4_130		10	15.75	14.09	13.83	13.75	14.01	13.78	13.70	14.17	13.90	13.83	0.08	0.77%	0.07	0.66%	0.08	0.77%	0.16	1.62%	0.12	1.23%	0.13	1.26%
4_140		10	15.69	14.05	13.80	13.72	13.97	13.74	13.68	14.12	13.86	13.80	0.07	0.74%	0.06	0.63%	0.07	0.74%	0.16	1.56%	0.12	1.19%	0.12	1.20%
4_150		10	15.63	14.01	13.77	13.70	13.93	13.72	13.65	14.08	13.83	13.77	0.07	0.71%	0.06	0.61%	0.07	0.70%	0.15	1.49%	0.11	1.15%	0.11	1.14%
4_160		10	15.58	13.97	13.74	13.67	13.90	13.69	13.63	14.04	13.80	13.74	0.07	0.69%	0.06	0.59%	0.07	0.68%	0.14	1.44%	0.11	1.09%	0.11	1.10%



Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd
4_170		10	15.53	13.94	13.71	13.65	13.86	13.67	13.61	14.00	13.77	13.71	0.06	0.65%	0.06	0.56%	0.06	0.64%	0.14	1.37%	0.10	1.05%	0.11	1.05%
4_180		10	15.48	13.90	13.69	13.63	13.83	13.64	13.59	13.97	13.74	13.69	0.06	0.63%	0.05	0.54%	0.06	0.62%	0.13	1.33%	0.10	1.01%	0.10	1.02%
4_190		10	15.44	13.87	13.67	13.61	13.81	13.62	13.57	13.94	13.72	13.66	0.06	0.62%	0.05	0.53%	0.06	0.59%	0.13	1.28%	0.10	0.97%	0.10	0.97%
4_200		10	15.40	13.85	13.65	13.59	13.78	13.60	13.55	13.91	13.70	13.64	0.06	0.59%	0.05	0.51%	0.06	0.59%	0.12	1.24%	0.09	0.94%	0.09	0.95%
5_0		10	16.95	15.17	14.68	14.49	14.87	14.47	14.32	15.15	14.68	14.53	-0.03	-0.27%	0.00	0.05%	0.04	0.37%	0.27	2.72%	0.21	2.12%	0.21	2.07%
5_10		10	15.71	14.18	13.91	13.81	14.01	13.80	13.72	14.19	13.93	13.85	0.01	0.05%	0.02	0.17%	0.03	0.33%	0.17	1.71%	0.13	1.30%	0.13	1.26%
5_20		10	15.23	13.79	13.61	13.55	13.69	13.54	13.49	13.80	13.62	13.57	0.01	0.13%	0.02	0.18%	0.03	0.26%	0.11	1.15%	0.09	0.86%	0.08	0.82%
5_30		10	15.05	13.64	13.49	13.45	13.57	13.44	13.41	13.66	13.51	13.47	0.02	0.16%	0.02	0.18%	0.02	0.24%	0.09	0.93%	0.07	0.69%	0.07	0.66%
5_40		10	14.96	13.57	13.44	13.40	13.50	13.40	13.36	13.58	13.45	13.42	0.02	0.17%	0.02	0.17%	0.02	0.23%	0.08	0.82%	0.06	0.58%	0.06	0.57%
5_50		10	14.90	13.52	13.40	13.37	13.47	13.37	13.34	13.54	13.42	13.39	0.02	0.18%	0.02	0.17%	0.02	0.22%	0.07	0.74%	0.05	0.54%	0.05	0.53%
5_60		10	14.86	13.49	13.38	13.35	13.44	13.35	13.32	13.51	13.40	13.37	0.02	0.20%	0.02	0.18%	0.02	0.22%	0.07	0.71%	0.05	0.50%	0.05	0.48%
5_70		10	14.83	13.47	13.36	13.33	13.42	13.33	13.31	13.49	13.38	13.35	0.02	0.20%	0.02	0.18%	0.02	0.22%	0.07	0.67%	0.05	0.48%	0.05	0.46%
5_80		10	14.81	13.45	13.35	13.32	13.41	13.32	13.30	13.47	13.37	13.34	0.02	0.20%	0.02	0.18%	0.02	0.21%	0.06	0.64%	0.05	0.47%	0.04	0.44%
5_90		10	14.80	13.44	13.34	13.31	13.40	13.31	13.29	13.46	13.36	13.34	0.02	0.21%	0.02	0.18%	0.02	0.21%	0.06	0.63%	0.05	0.45%	0.04	0.43%
5_100		10	14.78	13.43	13.33	13.31	13.39	13.31	13.29	13.45	13.35	13.33	0.02	0.21%	0.02	0.18%	0.02	0.21%	0.06	0.62%	0.04	0.43%	0.04	0.42%
5_110		10	14.77	13.42	13.33	13.30	13.38	13.30	13.28	13.44	13.35	13.32	0.02	0.21%	0.02	0.17%	0.02	0.21%	0.06	0.61%	0.04	0.42%	0.04	0.41%
5_120		10	14.76	13.41	13.32	13.30	13.38	13.30	13.28	13.43	13.34	13.32	0.02	0.21%	0.02	0.17%	0.02	0.21%	0.06	0.58%	0.04	0.41%	0.04	0.41%
5_130		10	14.76	13.41	13.32	13.29	13.37	13.30	13.27	13.43	13.34	13.31	0.02	0.21%	0.02	0.18%	0.02	0.21%	0.06	0.58%	0.04	0.41%	0.04	0.40%
5_140		10	14.75	13.40	13.31	13.29	13.37	13.29	13.27	13.43	13.33	13.31	0.02	0.21%	0.02	0.17%	0.02	0.21%	0.06	0.57%	0.04	0.40%	0.04	0.39%
5_150		10	14.74	13.40	13.31	13.29	13.36	13.29	13.27	13.42	13.33	13.31	0.02	0.21%	0.02	0.18%	0.02	0.21%	0.06	0.57%	0.04	0.40%	0.04	0.38%
5_160		10	14.74	13.40	13.31	13.29	13.36	13.29	13.27	13.42	13.33	13.31	0.02	0.21%	0.02	0.18%	0.02	0.20%	0.05	0.55%	0.04	0.39%	0.04	0.39%
5_170		10	14.74	13.39	13.31	13.28	13.36	13.28	13.27	13.41	13.32	13.30	0.02	0.21%	0.02	0.17%	0.02	0.20%	0.05	0.55%	0.04	0.39%	0.04	0.38%
5_180		10	14.73	13.39	13.30	13.28	13.36	13.28	13.26	13.41	13.32	13.30	0.02	0.21%	0.02	0.18%	0.02	0.20%	0.05	0.54%	0.04	0.39%	0.04	0.38%
5_190		10	14.73	13.39	13.30	13.28	13.35	13.28	13.26	13.41	13.32	13.30	0.02	0.21%	0.02	0.18%	0.02	0.20%	0.05	0.54%	0.04	0.38%	0.04	0.36%
5_200		10	14.72	13.38	13.30	13.28	13.35	13.28	13.26	13.41	13.32	13.30	0.02	0.21%	0.02	0.17%	0.02	0.20%	0.05	0.52%	0.04	0.37%	0.04	0.36%
6_0	Rookery Clay Pit (CWS)	10	14.65	13.31	13.22	13.19	13.28	13.20	13.18	13.32	13.23	13.21	0.01	0.13%	0.01	0.11%	0.01	0.14%	0.04	0.40%	0.03	0.25%	0.02	0.24%
6_10		10	14.64	13.30	13.21	13.19	13.27	13.20	13.18	13.31	13.23	13.20	0.01	0.12%	0.01	0.12%	0.01	0.13%	0.04	0.40%	0.03	0.25%	0.02	0.23%



Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd
6_20		10	14.60	13.28	13.20	13.17	13.25	13.18	13.16	13.29	13.21	13.19	0.01	0.12%	0.01	0.12%	0.01	0.13%	0.04	0.39%	0.03	0.26%	0.02	0.22%
6_30		10	14.58	13.26	13.18	13.16	13.23	13.17	13.15	13.27	13.19	13.18	0.01	0.12%	0.01	0.12%	0.01	0.14%	0.04	0.39%	0.02	0.24%	0.02	0.23%
6_40		10	14.55	13.24	13.17	13.15	13.22	13.16	13.14	13.26	13.18	13.17	0.01	0.14%	0.01	0.11%	0.01	0.13%	0.04	0.38%	0.02	0.24%	0.02	0.23%
6_50		10	14.54	13.23	13.16	13.15	13.21	13.15	13.14	13.25	13.18	13.16	0.01	0.12%	0.01	0.11%	0.01	0.13%	0.04	0.37%	0.02	0.24%	0.02	0.23%
6_60		10	14.52	13.22	13.16	13.14	13.20	13.15	13.13	13.24	13.17	13.15	0.01	0.12%	0.01	0.12%	0.01	0.13%	0.04	0.37%	0.03	0.25%	0.02	0.23%
6_70		10	14.51	13.22	13.15	13.14	13.19	13.14	13.13	13.23	13.16	13.15	0.01	0.14%	0.01	0.12%	0.01	0.12%	0.04	0.36%	0.02	0.23%	0.02	0.23%
6_80		10	14.50	13.21	13.15	13.13	13.19	13.14	13.12	13.22	13.16	13.15	0.01	0.12%	0.01	0.10%	0.01	0.13%	0.04	0.36%	0.02	0.23%	0.02	0.22%
6_90		10	14.49	13.20	13.14	13.13	13.18	13.13	13.12	13.22	13.16	13.14	0.01	0.14%	0.01	0.12%	0.01	0.11%	0.04	0.36%	0.02	0.24%	0.02	0.22%
6_100		10	14.49	13.20	13.14	13.13	13.18	13.13	13.12	13.21	13.15	13.14	0.01	0.14%	0.01	0.10%	0.01	0.13%	0.04	0.36%	0.02	0.23%	0.02	0.22%
6_110		10	14.48	13.20	13.14	13.12	13.17	13.12	13.11	13.21	13.15	13.13	0.01	0.14%	0.01	0.12%	0.01	0.11%	0.04	0.36%	0.02	0.24%	0.02	0.22%
6_120		10	14.47	13.19	13.14	13.12	13.17	13.12	13.11	13.21	13.15	13.13	0.01	0.14%	0.01	0.10%	0.01	0.11%	0.04	0.35%	0.02	0.23%	0.02	0.22%
6_130		10	14.47	13.19	13.13	13.12	13.17	13.12	13.11	13.20	13.14	13.13	0.01	0.14%	0.01	0.10%	0.01	0.12%	0.04	0.35%	0.02	0.22%	0.02	0.22%
6_140		10	14.46	13.19	13.13	13.12	13.16	13.12	13.11	13.20	13.14	13.13	0.01	0.12%	0.01	0.11%	0.01	0.11%	0.03	0.34%	0.02	0.24%	0.02	0.21%
6_150		10	14.46	13.18	13.13	13.12	13.16	13.12	13.11	13.19	13.14	13.13	0.01	0.12%	0.01	0.10%	0.01	0.11%	0.03	0.33%	0.02	0.22%	0.02	0.21%
6_160		10	14.46	13.18	13.13	13.11	13.16	13.12	13.10	13.19	13.14	13.13	0.01	0.14%	0.01	0.10%	0.01	0.12%	0.03	0.33%	0.02	0.22%	0.02	0.21%
6_170		10	14.45	13.18	13.12	13.11	13.16	13.11	13.10	13.19	13.14	13.12	0.01	0.12%	0.01	0.11%	0.01	0.12%	0.03	0.33%	0.02	0.22%	0.02	0.21%
6_180		10	14.45	13.18	13.12	13.11	13.15	13.11	13.10	13.19	13.13	13.12	0.01	0.12%	0.01	0.10%	0.01	0.11%	0.03	0.33%	0.02	0.22%	0.02	0.21%
6_190		10	14.45	13.17	13.12	13.11	13.15	13.11	13.10	13.19	13.13	13.12	0.01	0.13%	0.01	0.10%	0.01	0.11%	0.03	0.33%	0.02	0.22%	0.02	0.21%
6_200		10	14.44	13.17	13.12	13.11	13.15	13.11	13.10	13.18	13.13	13.12	0.01	0.12%	0.01	0.10%	0.01	0.10%	0.03	0.31%	0.02	0.21%	0.02	0.21%
7_0	Quest Pit (CWS)	10	15.88	14.42	14.09	13.97	14.16	13.93	13.85	14.49	14.15	14.03	0.07	0.74%	0.06	0.63%	0.06	0.58%	0.34	3.36%	0.22	2.23%	0.18	1.81%
7_10		10	15.79	14.34	14.03	13.92	14.10	13.88	13.81	14.41	14.09	13.97	0.07	0.70%	0.06	0.59%	0.05	0.55%	0.31	3.13%	0.20	2.05%	0.17	1.66%
7_20		10	15.64	14.21	13.94	13.84	14.00	13.81	13.75	14.28	13.99	13.89	0.06	0.61%	0.05	0.53%	0.05	0.47%	0.27	2.74%	0.18	1.78%	0.14	1.44%
7_30		10	15.52	14.12	13.87	13.78	13.93	13.75	13.70	14.17	13.91	13.82	0.05	0.55%	0.05	0.46%	0.04	0.41%	0.24	2.45%	0.16	1.59%	0.13	1.26%
7_40		10	15.43	14.04	13.81	13.73	13.86	13.71	13.66	14.09	13.85	13.77	0.05	0.49%	0.04	0.42%	0.04	0.38%	0.22	2.23%	0.14	1.42%	0.11	1.14%
7_50		10	15.35	13.97	13.76	13.69	13.81	13.67	13.62	14.02	13.80	13.73	0.05	0.46%	0.04	0.39%	0.03	0.35%	0.20	2.03%	0.13	1.30%	0.10	1.04%
7_60		10	15.28	13.92	13.73	13.66	13.77	13.64	13.60	13.96	13.76	13.69	0.04	0.41%	0.03	0.35%	0.03	0.31%	0.19	1.87%	0.12	1.19%	0.10	0.95%
7_70		10	15.23	13.87	13.69	13.63	13.74	13.61	13.57	13.91	13.72	13.66	0.04	0.40%	0.03	0.32%	0.03	0.29%	0.17	1.75%	0.11	1.09%	0.09	0.88%



Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd
7_80		10	15.18	13.83	13.66	13.61	13.71	13.59	13.55	13.87	13.69	13.64	0.03	0.35%	0.03	0.30%	0.03	0.28%	0.16	1.62%	0.10	1.02%	0.08	0.83%
7_90		10	15.14	13.80	13.64	13.59	13.68	13.57	13.54	13.83	13.67	13.62	0.03	0.33%	0.03	0.29%	0.03	0.27%	0.15	1.54%	0.10	0.97%	0.08	0.78%
7_100		10	15.10	13.77	13.62	13.57	13.66	13.55	13.52	13.80	13.65	13.60	0.03	0.32%	0.03	0.27%	0.03	0.25%	0.14	1.45%	0.09	0.91%	0.07	0.74%
7_110		10	15.07	13.74	13.60	13.56	13.64	13.54	13.51	13.77	13.63	13.58	0.03	0.31%	0.03	0.26%	0.02	0.23%	0.14	1.38%	0.09	0.87%	0.07	0.70%
7_120		10	15.04	13.72	13.58	13.54	13.62	13.53	13.50	13.75	13.61	13.56	0.03	0.28%	0.02	0.25%	0.02	0.22%	0.13	1.32%	0.08	0.83%	0.07	0.66%
7_130		10	15.02	13.70	13.57	13.53	13.60	13.51	13.49	13.73	13.59	13.55	0.03	0.27%	0.02	0.22%	0.02	0.21%	0.13	1.27%	0.08	0.78%	0.06	0.65%
7_140		10	15.00	13.68	13.56	13.52	13.59	13.50	13.48	13.71	13.58	13.54	0.03	0.26%	0.02	0.21%	0.02	0.20%	0.12	1.22%	0.08	0.75%	0.06	0.62%
7_150		10	14.98	13.67	13.55	13.51	13.58	13.49	13.47	13.69	13.57	13.53	0.03	0.25%	0.02	0.22%	0.02	0.19%	0.12	1.16%	0.07	0.74%	0.06	0.60%
7_160		10	14.96	13.65	13.54	13.50	13.56	13.49	13.46	13.68	13.56	13.52	0.02	0.25%	0.02	0.20%	0.02	0.19%	0.11	1.13%	0.07	0.70%	0.06	0.58%
7_170		10	14.94	13.64	13.53	13.49	13.55	13.48	13.46	13.66	13.55	13.51	0.02	0.24%	0.02	0.19%	0.02	0.18%	0.11	1.09%	0.07	0.68%	0.06	0.56%
7_180		10	14.93	13.63	13.52	13.49	13.54	13.47	13.45	13.65	13.54	13.50	0.02	0.22%	0.02	0.18%	0.02	0.18%	0.10	1.05%	0.06	0.65%	0.05	0.53%
7_190		10	14.92	13.62	13.51	13.48	13.54	13.47	13.44	13.64	13.53	13.50	0.02	0.22%	0.02	0.16%	0.02	0.17%	0.10	1.03%	0.06	0.63%	0.05	0.52%
7_200		10	14.90	13.61	13.50	13.47	13.53	13.46	13.44	13.63	13.52	13.49	0.02	0.21%	0.02	0.17%	0.02	0.15%	0.10	0.99%	0.06	0.62%	0.05	0.51%
8_0	Elstow Pit (CWS)	10	16.08	14.39	14.09	13.99	14.27	14.01	13.93	14.43	14.12	14.02	0.04	0.43%	0.03	0.30%	0.04	0.35%	0.16	1.65%	0.11	1.06%	0.10	0.95%
8_10		10	15.93	14.28	14.00	13.92	14.16	13.93	13.86	14.32	14.03	13.95	0.04	0.41%	0.03	0.30%	0.03	0.34%	0.16	1.60%	0.10	1.04%	0.09	0.93%
8_20		10	15.81	14.20	13.94	13.86	14.09	13.87	13.80	14.24	13.97	13.90	0.04	0.38%	0.03	0.28%	0.03	0.33%	0.15	1.52%	0.10	1.01%	0.09	0.92%
8_30		10	15.72	14.14	13.90	13.82	14.03	13.83	13.76	14.18	13.92	13.85	0.04	0.36%	0.03	0.27%	0.03	0.31%	0.15	1.45%	0.10	0.97%	0.09	0.89%
8_40		10	15.65	14.09	13.86	13.79	13.98	13.79	13.73	14.12	13.88	13.82	0.04	0.35%	0.03	0.26%	0.03	0.30%	0.14	1.40%	0.09	0.93%	0.09	0.86%
8_50		10	15.59	14.04	13.82	13.76	13.94	13.76	13.71	14.08	13.85	13.79	0.03	0.34%	0.03	0.25%	0.03	0.29%	0.13	1.34%	0.09	0.89%	0.08	0.83%
8_60		10	15.53	14.01	13.80	13.73	13.91	13.73	13.68	14.04	13.82	13.76	0.03	0.34%	0.02	0.25%	0.03	0.29%	0.13	1.31%	0.09	0.87%	0.08	0.80%
8_70		10	15.49	13.97	13.77	13.71	13.88	13.71	13.66	14.01	13.80	13.74	0.03	0.32%	0.02	0.24%	0.03	0.28%	0.13	1.25%	0.08	0.84%	0.08	0.78%
8_80		10	15.45	13.95	13.75	13.70	13.86	13.69	13.65	13.98	13.78	13.72	0.03	0.32%	0.02	0.22%	0.03	0.28%	0.12	1.23%	0.08	0.81%	0.08	0.77%
8_90		10	15.41	13.92	13.73	13.68	13.83	13.68	13.63	13.95	13.76	13.71	0.03	0.31%	0.02	0.23%	0.03	0.27%	0.12	1.19%	0.08	0.80%	0.07	0.74%
8_100		10	15.38	13.90	13.72	13.67	13.81	13.66	13.62	13.93	13.74	13.69	0.03	0.30%	0.02	0.23%	0.03	0.27%	0.12	1.17%	0.08	0.79%	0.07	0.73%
8_110		10	15.35	13.88	13.70	13.65	13.80	13.65	13.61	13.91	13.73	13.68	0.03	0.30%	0.02	0.23%	0.03	0.26%	0.11	1.14%	0.08	0.76%	0.07	0.71%
8_120		10	15.33	13.86	13.69	13.64	13.78	13.64	13.60	13.89	13.71	13.67	0.03	0.30%	0.02	0.22%	0.03	0.26%	0.11	1.12%	0.08	0.75%	0.07	0.70%
8_130		10	15.31	13.85	13.68	13.63	13.77	13.63	13.59	13.88	13.70	13.66	0.03	0.29%	0.02	0.22%	0.03	0.26%	0.11	1.11%	0.07	0.74%	0.07	0.69%



Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd
8_140		10	15.29	13.83	13.67	13.62	13.75	13.62	13.58	13.86	13.69	13.65	0.03	0.29%	0.02	0.22%	0.03	0.26%	0.11	1.08%	0.07	0.73%	0.07	0.68%
8_150		10	15.27	13.82	13.66	13.62	13.74	13.61	13.57	13.85	13.68	13.64	0.03	0.29%	0.02	0.22%	0.03	0.25%	0.11	1.07%	0.07	0.72%	0.07	0.67%
8_160		10	15.25	13.81	13.65	13.61	13.73	13.60	13.57	13.84	13.67	13.63	0.03	0.27%	0.02	0.20%	0.03	0.25%	0.10	1.05%	0.07	0.70%	0.07	0.67%
8_170		10	15.24	13.80	13.64	13.60	13.72	13.60	13.56	13.83	13.67	13.63	0.03	0.29%	0.02	0.22%	0.02	0.25%	0.11	1.05%	0.07	0.70%	0.07	0.66%
8_180		10	15.22	13.79	13.64	13.59	13.71	13.59	13.55	13.82	13.66	13.62	0.03	0.27%	0.02	0.21%	0.02	0.25%	0.10	1.03%	0.07	0.70%	0.07	0.65%
8_190		10	15.21	13.78	13.63	13.59	13.70	13.58	13.55	13.81	13.65	13.61	0.03	0.27%	0.02	0.21%	0.02	0.25%	0.10	1.02%	0.07	0.68%	0.06	0.65%
8_200		10	15.20	13.77	13.63	13.58	13.70	13.58	13.54	13.80	13.65	13.61	0.03	0.27%	0.02	0.20%	0.02	0.25%	0.10	1.01%	0.07	0.67%	0.06	0.63%
9_0	Kempston Hardwick Pit (CWS)	10	15.06	13.74	13.60	13.56	13.62	13.52	13.49	13.88	13.74	13.68	0.15	1.49%	0.14	1.40%	0.12	1.16%	0.27	2.68%	0.22	2.23%	0.19	1.87%
9_10		10	15.05	13.72	13.59	13.55	13.61	13.51	13.48	13.87	13.73	13.66	0.15	1.45%	0.14	1.36%	0.11	1.14%	0.26	2.58%	0.21	2.14%	0.18	1.80%
9_20		10	15.04	13.71	13.58	13.54	13.60	13.50	13.48	13.85	13.71	13.65	0.14	1.41%	0.13	1.30%	0.11	1.11%	0.25	2.47%	0.20	2.03%	0.17	1.73%
9_30		10	15.03	13.69	13.57	13.53	13.59	13.50	13.48	13.83	13.69	13.64	0.14	1.37%	0.13	1.25%	0.11	1.07%	0.24	2.37%	0.19	1.93%	0.16	1.65%
9_40		10	15.02	13.68	13.56	13.53	13.59	13.50	13.47	13.81	13.68	13.63	0.13	1.31%	0.12	1.19%	0.10	1.04%	0.23	2.26%	0.18	1.84%	0.16	1.59%
9_50		10	15.01	13.67	13.55	13.52	13.58	13.49	13.47	13.80	13.67	13.62	0.13	1.27%	0.12	1.16%	0.10	1.01%	0.22	2.18%	0.18	1.77%	0.15	1.53%
9_60		10	15.00	13.66	13.55	13.52	13.58	13.49	13.47	13.79	13.66	13.61	0.12	1.23%	0.11	1.12%	0.10	0.99%	0.21	2.10%	0.17	1.69%	0.15	1.48%
9_70		10	15.00	13.66	13.54	13.51	13.57	13.49	13.46	13.78	13.65	13.61	0.12	1.19%	0.11	1.06%	0.09	0.94%	0.20	2.04%	0.16	1.63%	0.14	1.43%
9_80		10	14.99	13.65	13.54	13.51	13.57	13.48	13.46	13.77	13.64	13.60	0.12	1.15%	0.10	1.03%	0.09	0.93%	0.19	1.95%	0.16	1.57%	0.14	1.39%
9_90		10	14.99	13.65	13.54	13.50	13.57	13.48	13.46	13.76	13.63	13.59	0.11	1.11%	0.10	0.99%	0.09	0.90%	0.19	1.90%	0.15	1.52%	0.13	1.35%
9_100		10	14.98	13.64	13.53	13.50	13.57	13.48	13.46	13.75	13.63	13.59	0.11	1.08%	0.10	0.96%	0.09	0.87%	0.18	1.83%	0.15	1.47%	0.13	1.31%
9_110		10	14.98	13.64	13.53	13.50	13.56	13.48	13.46	13.74	13.62	13.59	0.10	1.04%	0.09	0.94%	0.09	0.87%	0.18	1.80%	0.14	1.42%	0.13	1.28%
9_120		10	14.98	13.64	13.53	13.50	13.56	13.48	13.46	13.74	13.62	13.58	0.10	1.01%	0.09	0.90%	0.08	0.84%	0.17	1.74%	0.14	1.39%	0.12	1.25%
9_130		10	14.98	13.63	13.52	13.50	13.56	13.48	13.46	13.73	13.61	13.58	0.10	0.99%	0.09	0.87%	0.08	0.82%	0.17	1.70%	0.14	1.35%	0.12	1.21%
9_140		10	14.97	13.63	13.52	13.49	13.56	13.48	13.46	13.73	13.61	13.57	0.10	0.96%	0.09	0.85%	0.08	0.81%	0.17	1.67%	0.13	1.31%	0.12	1.20%
9_150		10	14.97	13.63	13.52	13.49	13.56	13.48	13.45	13.72	13.60	13.57	0.09	0.93%	0.08	0.84%	0.08	0.78%	0.16	1.62%	0.13	1.29%	0.12	1.18%
9_160		10	14.97	13.63	13.52	13.49	13.56	13.47	13.45	13.72	13.60	13.57	0.09	0.91%	0.08	0.81%	0.08	0.79%	0.16	1.59%	0.13	1.25%	0.12	1.16%
9_170		10	14.97	13.62	13.52	13.49	13.56	13.47	13.45	13.71	13.60	13.57	0.09	0.89%	0.08	0.78%	0.08	0.76%	0.16	1.55%	0.12	1.22%	0.11	1.13%
9_180		10	14.97	13.62	13.52	13.49	13.56	13.47	13.45	13.71	13.59	13.56	0.09	0.86%	0.08	0.77%	0.08	0.75%	0.15	1.53%	0.12	1.20%	0.11	1.12%
9_190		10	14.97	13.62	13.52	13.49	13.55	13.47	13.45	13.70	13.59	13.56	0.09	0.85%	0.07	0.74%	0.07	0.73%	0.15	1.50%	0.12	1.17%	0.11	1.09%



Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd
9_200		10	14.96	13.62	13.51	13.49	13.55	13.47	13.45	13.70	13.59	13.56	0.08	0.84%	0.07	0.73%	0.07	0.72%	0.15	1.48%	0.11	1.15%	0.11	1.08%
10_0		10	16.09	14.81	14.42	14.27	14.32	14.07	13.98	14.94	14.56	14.34	0.13	1.32%	0.14	1.35%	0.07	0.71%	0.62	6.21%	0.48	4.84%	0.36	3.64%
10_10		10	15.74	14.44	14.13	14.02	14.08	13.88	13.81	14.56	14.25	14.09	0.12	1.20%	0.12	1.18%	0.07	0.70%	0.48	4.80%	0.37	3.72%	0.28	2.83%
10_20		10	15.52	14.20	13.95	13.86	13.92	13.76	13.70	14.31	14.06	13.93	0.11	1.12%	0.11	1.05%	0.07	0.69%	0.39	3.90%	0.30	2.99%	0.23	2.31%
10_30		10	15.38	14.06	13.84	13.77	13.83	13.69	13.64	14.17	13.94	13.84	0.10	1.04%	0.10	0.97%	0.07	0.67%	0.33	3.33%	0.26	2.56%	0.20	1.98%
10_40		10	15.29	13.97	13.77	13.71	13.77	13.64	13.60	14.06	13.86	13.77	0.10	0.99%	0.09	0.92%	0.06	0.64%	0.29	2.95%	0.23	2.26%	0.18	1.76%
10_50		10	15.22	13.90	13.72	13.66	13.73	13.60	13.57	13.99	13.81	13.73	0.09	0.94%	0.09	0.86%	0.06	0.64%	0.27	2.68%	0.20	2.04%	0.16	1.61%
10_60		10	15.18	13.85	13.68	13.63	13.69	13.58	13.54	13.94	13.77	13.69	0.09	0.89%	0.08	0.81%	0.06	0.62%	0.25	2.47%	0.19	1.87%	0.15	1.49%
10_70		10	15.14	13.81	13.65	13.61	13.67	13.56	13.53	13.90	13.73	13.67	0.09	0.86%	0.08	0.79%	0.06	0.60%	0.23	2.30%	0.17	1.74%	0.14	1.41%
10_80		10	15.11	13.78	13.63	13.59	13.65	13.54	13.51	13.86	13.71	13.65	0.08	0.84%	0.07	0.75%	0.06	0.60%	0.22	2.16%	0.16	1.63%	0.13	1.32%
10_90		10	15.08	13.76	13.61	13.57	13.63	13.53	13.50	13.84	13.69	13.63	0.08	0.81%	0.07	0.72%	0.06	0.57%	0.20	2.04%	0.15	1.54%	0.13	1.26%
10_100		10	15.06	13.73	13.60	13.56	13.62	13.52	13.49	13.81	13.67	13.61	0.08	0.81%	0.07	0.71%	0.06	0.56%	0.20	1.96%	0.15	1.47%	0.12	1.21%
10_110		10	15.04	13.72	13.59	13.55	13.61	13.51	13.49	13.79	13.65	13.60	0.08	0.77%	0.07	0.69%	0.05	0.55%	0.19	1.86%	0.14	1.41%	0.11	1.14%
10_120		10	15.03	13.70	13.57	13.54	13.60	13.51	13.48	13.78	13.64	13.59	0.07	0.75%	0.07	0.68%	0.05	0.55%	0.18	1.79%	0.14	1.35%	0.11	1.12%
10_130		10	15.02	13.69	13.56	13.53	13.59	13.50	13.47	13.76	13.63	13.58	0.07	0.74%	0.07	0.66%	0.05	0.53%	0.17	1.74%	0.13	1.31%	0.11	1.08%
10_140		10	15.01	13.68	13.56	13.52	13.58	13.49	13.47	13.75	13.62	13.58	0.07	0.74%	0.06	0.64%	0.05	0.53%	0.17	1.68%	0.13	1.26%	0.10	1.04%
10_150		10	15.00	13.67	13.55	13.52	13.58	13.49	13.47	13.74	13.61	13.57	0.07	0.72%	0.06	0.63%	0.05	0.53%	0.16	1.64%	0.12	1.22%	0.10	1.03%
10_160		10	14.99	13.66	13.54	13.51	13.57	13.49	13.46	13.73	13.61	13.56	0.07	0.70%	0.06	0.61%	0.05	0.51%	0.16	1.59%	0.12	1.20%	0.10	1.00%
10_170		10	14.98	13.65	13.54	13.51	13.57	13.48	13.46	13.72	13.60	13.56	0.07	0.68%	0.06	0.61%	0.05	0.51%	0.16	1.55%	0.12	1.17%	0.10	0.98%
10_180		10	14.98	13.65	13.53	13.50	13.56	13.48	13.46	13.71	13.59	13.55	0.07	0.68%	0.06	0.59%	0.05	0.51%	0.15	1.52%	0.11	1.13%	0.10	0.97%
10_190		10	14.97	13.64	13.53	13.50	13.56	13.48	13.46	13.71	13.59	13.55	0.07	0.68%	0.06	0.59%	0.05	0.51%	0.15	1.50%	0.11	1.12%	0.09	0.95%
10_200		10	14.97	13.64	13.53	13.50	13.56	13.48	13.45	13.70	13.58	13.55	0.07	0.66%	0.06	0.57%	0.05	0.50%	0.15	1.46%	0.11	1.09%	0.09	0.94%
11_0		10	16.07	14.76	14.39	14.24	14.31	14.06	13.97	14.83	14.46	14.28	0.07	0.69%	0.08	0.76%	0.04	0.38%	0.52	5.18%	0.40	3.98%	0.31	3.10%
11_10		10	15.75	14.42	14.12	14.01	14.08	13.88	13.81	14.47	14.18	14.05	0.06	0.58%	0.06	0.61%	0.04	0.35%	0.39	3.90%	0.30	2.96%	0.23	2.34%
11_20		10	15.55	14.20	13.96	13.87	13.94	13.77	13.72	14.26	14.01	13.91	0.05	0.52%	0.05	0.51%	0.03	0.34%	0.31	3.12%	0.23	2.35%	0.19	1.88%
11_30		10	15.42	14.08	13.86	13.79	13.86	13.71	13.66	14.12	13.90	13.82	0.05	0.47%	0.05	0.47%	0.03	0.34%	0.26	2.64%	0.20	1.97%	0.16	1.61%
11_40		10	15.34	13.99	13.79	13.73	13.80	13.66	13.62	14.03	13.84	13.76	0.05	0.46%	0.04	0.44%	0.03	0.34%	0.23	2.33%	0.17	1.72%	0.14	1.41%



Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects					
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts	
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd
11_50		10	15.28	13.93	13.74	13.69	13.76	13.63	13.59	13.97	13.78	13.72	0.04	0.45%	0.04	0.40%	0.03	0.34%	0.21	2.09%	0.15	1.54%	0.13	1.30%
11_60		10	15.23	13.88	13.71	13.65	13.73	13.61	13.57	13.92	13.75	13.69	0.04	0.44%	0.04	0.39%	0.03	0.34%	0.19	1.92%	0.14	1.41%	0.12	1.18%
11_70		10	15.20	13.84	13.68	13.63	13.71	13.59	13.55	13.88	13.72	13.67	0.04	0.42%	0.04	0.38%	0.03	0.34%	0.18	1.78%	0.13	1.31%	0.11	1.12%
11_80		10	15.17	13.81	13.66	13.61	13.69	13.58	13.54	13.85	13.70	13.65	0.04	0.41%	0.04	0.37%	0.03	0.34%	0.17	1.68%	0.12	1.21%	0.10	1.04%
11_90		10	15.15	13.79	13.64	13.60	13.67	13.56	13.53	13.83	13.68	13.63	0.04	0.41%	0.04	0.37%	0.03	0.34%	0.16	1.59%	0.12	1.15%	0.10	1.02%
11_100		10	15.13	13.77	13.63	13.58	13.66	13.55	13.52	13.81	13.66	13.62	0.04	0.41%	0.04	0.36%	0.03	0.35%	0.15	1.51%	0.11	1.09%	0.10	0.97%
11_110		10	15.11	13.75	13.61	13.57	13.65	13.55	13.52	13.79	13.65	13.61	0.04	0.40%	0.04	0.36%	0.03	0.35%	0.15	1.45%	0.11	1.05%	0.09	0.94%
11_120		10	15.10	13.74	13.60	13.57	13.64	13.54	13.51	13.78	13.64	13.60	0.04	0.40%	0.03	0.34%	0.04	0.35%	0.14	1.40%	0.10	1.01%	0.09	0.91%
11_130		10	15.09	13.73	13.60	13.56	13.63	13.53	13.50	13.77	13.63	13.59	0.04	0.39%	0.03	0.34%	0.04	0.35%	0.13	1.34%	0.10	0.96%	0.09	0.89%
11_140		10	15.08	13.72	13.59	13.55	13.63	13.53	13.50	13.76	13.62	13.59	0.04	0.40%	0.03	0.33%	0.04	0.36%	0.13	1.30%	0.09	0.94%	0.09	0.87%
11_150		10	15.07	13.71	13.58	13.55	13.62	13.52	13.50	13.75	13.62	13.58	0.04	0.40%	0.03	0.35%	0.04	0.37%	0.13	1.28%	0.09	0.93%	0.09	0.86%
11_160		10	15.06	13.70	13.58	13.54	13.62	13.52	13.49	13.74	13.61	13.58	0.04	0.39%	0.03	0.34%	0.04	0.36%	0.12	1.25%	0.09	0.90%	0.08	0.83%
11_170		10	15.05	13.69	13.57	13.54	13.61	13.52	13.49	13.73	13.60	13.57	0.04	0.40%	0.03	0.33%	0.04	0.36%	0.12	1.23%	0.09	0.87%	0.08	0.82%
11_180		10	15.05	13.69	13.57	13.53	13.61	13.51	13.49	13.73	13.60	13.57	0.04	0.40%	0.03	0.34%	0.04	0.37%	0.12	1.20%	0.09	0.87%	0.08	0.81%
11_190		10	15.05	13.68	13.56	13.53	13.61	13.51	13.49	13.72	13.60	13.57	0.04	0.39%	0.03	0.33%	0.04	0.38%	0.12	1.17%	0.08	0.84%	0.08	0.81%
11_200		10	15.04	13.68	13.56	13.53	13.60	13.51	13.48	13.72	13.59	13.56	0.04	0.39%	0.03	0.34%	0.04	0.37%	0.12	1.16%	0.08	0.83%	0.08	0.80%
12_0	Kempston West End (CWS)	15	44.66	37.81	33.48	32.04	35.99	32.26	31.03	37.88	33.53	32.09	0.07	0.45%	0.05	0.33%	0.05	0.31%	1.88	12.55%	1.27	8.46%	1.06	7.06%
12_10		15	41.17	34.87	31.38	30.27	33.46	30.45	29.50	34.91	31.40	30.29	0.04	0.25%	0.03	0.17%	0.03	0.17%	1.45	9.65%	0.95	6.34%	0.80	5.30%
12_20		15	37.60	31.97	29.34	28.55	30.97	28.70	28.02	31.98	29.35	28.56	0.01	0.07%	0.01	0.04%	0.01	0.07%	1.01	6.76%	0.65	4.32%	0.54	3.61%
12_30		15	35.69	30.49	28.32	27.69	29.70	27.82	27.28	30.49	28.32	27.69	0.00	0.02%	0.00	-0.01%	0.00	0.01%	0.79	5.29%	0.50	3.32%	0.41	2.75%
12_40		15	34.51	29.58	27.70	27.17	28.92	27.29	26.83	29.58	27.70	27.17	0.00	0.00%	0.00	0.00%	0.00	0.03%	0.66	4.43%	0.41	2.74%	0.34	2.28%
12_50		15	33.68	28.97	27.28	26.82	28.39	26.93	26.52	28.97	27.29	26.82	0.01	0.03%	0.01	0.04%	0.00	0.03%	0.58	3.88%	0.36	2.38%	0.30	1.99%
12_60		15	33.07	28.52	26.98	26.56	28.01	26.67	26.30	28.53	26.99	26.57	0.01	0.08%	0.01	0.07%	0.01	0.07%	0.52	3.50%	0.32	2.15%	0.27	1.80%
12_70		15	32.61	28.18	26.76	26.37	27.72	26.47	26.14	28.20	26.77	26.38	0.02	0.11%	0.01	0.10%	0.01	0.09%	0.48	3.22%	0.30	1.99%	0.25	1.65%
12_80		15	32.24	27.92	26.58	26.22	27.49	26.32	26.01	27.94	26.60	26.24	0.02	0.15%	0.02	0.13%	0.02	0.14%	0.46	3.03%	0.28	1.87%	0.24	1.57%
12_90		15	31.95	27.71	26.44	26.10	27.31	26.20	25.90	27.74	26.47	26.13	0.03	0.20%	0.02	0.16%	0.02	0.16%	0.43	2.88%	0.27	1.78%	0.22	1.49%
12_100		15	31.71	27.54	26.33	26.01	27.16	26.11	25.82	27.58	26.36	26.04	0.04	0.26%	0.03	0.19%	0.03	0.19%	0.42	2.78%	0.26	1.71%	0.22	1.45%



Transect/Receptor Details			Modelled Total N-dep (kg/ha/yr)										Proposed Development alone						Proposed Development in-combination with other plans and projects						
Transect ID (Dist. Inside of Site)	Ecological Site	N-dep CLd	2023 Base	2031 DM	2041 DM	2051 DM	2031 DN	2041 DN	2051 DN	2031 DS	2041 DS	2051 DS	Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		Scenario 4 impacts		Scenario 4a impacts		Scenario 5 impacts		
													Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha/yr)	CLd % Change Relative to Lower CLd	Change N-Dep (kg/ha /yr)	CLd % Change Relative to Lower CLd	
12_110		15	31.51	27.41	26.24	25.94	27.05	26.03	25.76	27.45	26.28	25.97	0.04	0.29%	0.04	0.24%	0.03	0.21%	0.40	2.69%	0.25	1.67%	0.21	1.42%	
12_120		15	31.36	27.30	26.18	25.88	26.96	25.97	25.71	27.35	26.21	25.92	0.05	0.32%	0.04	0.24%	0.03	0.23%	0.39	2.62%	0.25	1.64%	0.21	1.39%	
12_130		15	31.23	27.22	26.12	25.83	26.88	25.92	25.67	27.27	26.16	25.87	0.05	0.34%	0.04	0.26%	0.04	0.26%	0.39	2.57%	0.24	1.59%	0.21	1.37%	
<div>Notes</div> <div>N-dep = nitrogen deposition</div> <div>CLd = Critical Load</div>																									



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