

Hampshire Water Transfer and Water Recycling Project

Environmental Statement – Appendix 6.5 Construction road vehicle exhaust emissions assessment – ecological features transect results – nitrogen oxides

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**Southern
Water.** 

The Southern Water logo graphic consists of three stylized, wavy blue lines of varying lengths, positioned to the right of the text 'Southern Water.'

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1 Construction road vehicle exhaust emissions assessment – ecological receptor transects results – nitrogen oxides

1.1 Introduction

- 1.1.1 This appendix to the Hampshire Water Transfer and Water Recycling Project (hereafter referred to as the 'Proposed Development') Environmental Statement (ES) supports ES Chapter 6 Air quality and odour, Volume I (Document reference 6.1, DCO Volume 6).
- 1.1.2 The purpose of this appendix is to provide the full results for each ecological receptor transect detailed in Table 6-25 of ES Chapter 6 Air quality and odour, Volume I (Document reference 6.1, DCO Volume 6).

1.2 Nitrogen oxides Critical Levels

- 1.2.1 Table 1-1 presents the potential contribution of the Proposed Development (i.e. Proposed Development's construction) and the cumulative contribution (i.e. Proposed Development traffic, cumulatively with committed developments, plans and projects), respectively, for ecological receptor transects reported in Table 6-25 of ES Chapter 6 Air Quality and odour, Volume I, in relation to nitrogen oxides (NO_x) (Document reference 6.1, DCO Volume 6).
- 1.2.2 Predicted total pollutant concentrations (including the relevant background pollutant concentrations) at the ecological receptor locations for the Proposed Development alone and cumulatively are detailed in Table 1-1. Values in exceedance of 100% of the Critical Level (CL_e) are shown in bold text.

Table 1-1 Nitrogen oxides Critical Level results

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLe		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
Eastleigh Borough Council								
Pitmore Copse (West)	AW, SINC	AW 1489875_1_8.5m	0.18	0.69	0.59%	2.30%	10.52	35.06%
		AW 1489875_1_18.5m	0.14	0.57	0.47%	1.91%	10.40	34.66%
		AW 1489875_1_28.5m	0.12	0.49	0.40%	1.65%	10.32	34.40%
		AW 1489875_1_38.5m	0.11	0.44	0.35%	1.45%	10.26	34.21%
		AW 1489875_1_48.5m	0.09	0.39	0.32%	1.30%	10.22	34.06%
		AW 1489875_1_58.5m	0.09	0.36	0.29%	1.18%	10.18	33.94%
		AW 1489875_1_68.5m	0.08	0.33	0.26%	1.09%	10.15	33.84%
		AW 1489875_1_78.5m	0.07	0.30	0.24%	1.00%	10.13	33.76%
Fielders Farm Meadows (Winchester)	SINC	SINC WC0682_1_3.1m	0.28	3.68	0.93%	12.28%	13.96	46.52%
Hill Copse	AW, SINC	AW 1488698_1_89m	0.03	0.27	0.11%	0.89%	10.54	35.13%
		AW 1488698_1_99m	0.03	0.25	0.11%	0.82%	10.52	35.06%
		AW 1488698_1_109m	0.03	0.23	0.10%	0.76%	10.50	35.00%
		AW 1488698_1_119m	0.03	0.21	0.10%	0.71%	10.48	34.95%
		AW 1488698_1_129m	0.03	0.20	0.09%	0.67%	10.47	34.91%
		AW 1488698_1_139m	0.03	0.19	0.09%	0.63%	10.46	34.87%
		AW 1488698_1_149m	0.02	0.18	0.08%	0.60%	10.45	34.84%
		AW 1488698_1_159m	0.02	0.17	0.08%	0.57%	10.44	34.81%
		AW 1488698_1_169m	0.02	0.16	0.08%	0.54%	10.44	34.78%
		AW 1488698_1_179m	0.02	0.16	0.08%	0.52%	10.43	34.76%
		AW 1488698_1_189m	0.02	0.15	0.07%	0.50%	10.42	34.74%
		AW 1488698_1_199m	0.02	0.15	0.07%	0.49%	10.42	34.73%
Pitmore Copse	AW, SINC	AW 1488025_1_27m	0.22	0.63	0.75%	2.10%	12.03	40.08%
		AW 1488025_1_37m	0.19	0.56	0.64%	1.87%	11.96	39.86%
		AW 1488025_1_47m	0.17	0.51	0.57%	1.70%	11.90	39.68%
		AW 1488025_1_57m	0.15	0.47	0.51%	1.55%	11.86	39.54%
		AW 1488025_1_67m	0.14	0.43	0.46%	1.43%	11.83	39.42%

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLe		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		AW 1488025_1_77m	0.13	0.40	0.42%	1.33%	11.80	39.32%
		AW 1488025_1_87m	0.12	0.37	0.39%	1.25%	11.77	39.23%
		AW 1488025_1_97m	0.11	0.35	0.36%	1.17%	11.75	39.16%
		AW 1488025_1_107m	0.10	0.33	0.34%	1.11%	11.73	39.09%
		AW 1488025_1_117m	0.10	0.31	0.32%	1.05%	11.71	39.03%
		AW 1488025_1_127m	0.09	0.30	0.30%	0.99%	11.69	38.98%
		AW 1488025_1_137m	0.08	0.28	0.28%	0.95%	11.68	38.93%
		AW 1488025_1_147m	0.08	0.27	0.27%	0.90%	11.67	38.89%
		AW 1488025_1_157m	0.08	0.26	0.25%	0.86%	11.65	38.85%
		AW 1488025_1_167m	0.07	0.25	0.24%	0.83%	11.64	38.81%
Crowdhill Copse	SINC	SINC EA0089_1_62.1m	0.03	0.39	0.09%	1.29%	11.12	37.06%
		SINC EA0089_1_72.1m	0.02	0.34	0.08%	1.15%	11.08	36.92%
		SINC EA0089_1_82.1m	0.02	0.31	0.07%	1.04%	11.04	36.81%
		SINC EA0089_1_92.1m	0.02	0.28	0.07%	0.95%	11.02	36.72%
		SINC EA0089_1_102.1m	0.02	0.26	0.06%	0.88%	11.00	36.65%
		SINC EA0089_1_112.1m	0.02	0.25	0.06%	0.82%	10.98	36.59%
		SINC EA0089_1_122.1m	0.02	0.23	0.06%	0.77%	10.96	36.55%
		SINC EA0089_1_132.1m	0.02	0.22	0.05%	0.73%	10.95	36.50%
		SINC EA0089_1_142.1m	0.02	0.21	0.05%	0.69%	10.94	36.47%
		SINC EA0089_1_152.1m	0.02	0.20	0.05%	0.66%	10.93	36.44%
		SINC EA0089_1_162.1m	0.01	0.19	0.05%	0.63%	10.92	36.41%
		SINC EA0089_1_172.1m	0.01	0.18	0.05%	0.61%	10.92	36.38%
		SINC EA0089_1_182.1m	0.01	0.18	0.05%	0.59%	10.91	36.36%
		SINC EA0089_1_192.1m	0.01	0.17	0.05%	0.57%	10.90	36.34%
Chestnut Gully Wood	SINC	SINC EA0102_1_190m	0.02	0.23	0.07%	0.76%	9.83	32.78%
		SINC EA0102_1_200m	0.02	0.22	0.07%	0.73%	9.82	32.75%
Pitmore Copse (West)	AW, SINC	AW 1489875_2_15.8m	0.10	0.38	0.34%	1.27%	11.78	39.26%
		AW 1489875_2_25.8m	0.09	0.34	0.29%	1.12%	11.73	39.11%
		AW 1489875_2_35.8m	0.08	0.30	0.25%	1.01%	11.70	39.00%
		AW 1489875_2_45.8m	0.07	0.28	0.23%	0.92%	11.67	38.91%
		AW 1489875_2_55.8m	0.06	0.26	0.21%	0.85%	11.65	38.84%
		AW 1489875_2_65.8m	0.06	0.24	0.19%	0.79%	11.63	38.77%
		AW 1489875_2_75.8m	0.05	0.22	0.18%	0.74%	12.29	40.98%
		AW 1489875_2_85.8m	0.05	0.21	0.17%	0.69%	10.18	33.95%
Gore Copse	SINC	SINC EA0110_1_9.7m	0.06	3.10	0.21%	10.32%	14.32	47.73%
		SINC EA0110_1_19.7m	0.04	1.94	0.14%	6.46%	13.16	43.88%

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Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLe		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC EA0110 1 29.7m	0.03	1.43	0.11%	4.75%	12.65	42.17%
		SINC EA0110 1 39.7m	0.03	1.14	0.09%	3.78%	12.36	41.20%
		SINC EA0110 1 49.7m	0.02	0.95	0.08%	3.16%	12.17	40.58%
		SINC EA0110 1 59.7m	0.02	0.82	0.07%	2.73%	12.04	40.15%
		SINC EA0110 1 69.7m	0.02	0.72	0.06%	2.42%	11.95	39.83%
		SINC EA0110 1 79.7m	0.02	0.65	0.06%	2.17%	11.88	39.59%
Knowle Lane Open Space	SINC	SINC EA0116 1 85.2m	0.02	0.65	0.06%	2.18%	10.76	35.86%
		SINC EA0116 1 95.2m	0.02	0.59	0.05%	1.98%	10.70	35.65%
		SINC EA0116 1 105.2m	0.01	0.54	0.05%	1.81%	10.65	35.49%
		SINC EA0116 1 115.2m	0.01	0.50	0.05%	1.67%	10.60	35.35%
		SINC EA0116 1 125.2m	0.01	0.47	0.04%	1.55%	10.57	35.23%
		SINC EA0116 1 135.2m	0.01	0.44	0.04%	1.45%	10.54	35.13%
		SINC EA0116 1 145.2m	0.01	0.41	0.04%	1.36%	10.51	35.04%
		SINC EA0116 1 155.2m	0.01	0.39	0.04%	1.28%	10.49	34.96%
		SINC EA0116 1 165.2m	0.01	0.36	0.04%	1.21%	10.47	34.89%
		SINC EA0116 1 175.2m	0.01	0.35	0.04%	1.15%	10.45	34.83%
		SINC EA0116 1 185.2m	0.01	0.33	0.04%	1.10%	10.43	34.78%
		SINC EA0116 1 195.2m	0.01	0.31	0.03%	1.05%	10.42	34.73%
River Itchen	SSSI	SSSI SU476240 1 0.2m	0.16	8.22	0.54%	27.40%	20.68	68.94%
		SSSI SU476240 1 10.2m	0.06	3.11	0.21%	10.37%	15.58	51.92%
		SSSI SU476240 1 20.2m	0.04	1.95	0.14%	6.50%	14.41	48.05%
		SSSI SU476240 1 30.2m	0.03	1.42	0.10%	4.75%	13.89	46.29%
		SSSI SU476240 1 40.2m	0.03	1.12	0.09%	3.74%	13.59	45.29%
		SSSI SU476240 1 50.2m	0.02	0.93	0.07%	3.09%	13.39	44.64%
		SSSI SU476240 1 60.2m	0.02	0.79	0.06%	2.64%	13.26	44.19%
		SSSI SU476240 1 70.2m	0.02	0.69	0.06%	2.30%	13.16	43.85%
		SSSI SU476240 1 80.2m	0.02	0.61	0.05%	2.05%	13.08	43.59%
		SSSI SU476240 1 90.2m	0.01	0.55	0.05%	1.84%	13.02	43.39%
		SSSI SU476240 1 100.2m	0.01	0.50	0.05%	1.67%	12.97	43.22%
		SSSI SU476240 1 110.2m	0.01	0.46	0.04%	1.54%	12.92	43.08%
		SSSI SU476240 1 120.2m	0.01	0.43	0.04%	1.42%	12.89	42.97%
		SSSI SU476240 1 130.2m	0.01	0.40	0.04%	1.32%	12.86	42.87%
		SSSI SU476240 1 140.2m	0.01	0.37	0.04%	1.24%	12.83	42.78%
		SSSI SU476240 1 150.2m	0.01	0.35	0.04%	1.16%	12.81	42.71%
		SSSI SU476240 1 160.2m	0.01	0.33	0.03%	1.10%	12.79	42.64%
		SSSI SU476240 1 170.2m	0.01	0.31	0.03%	1.04%	14.65	48.83%
		SSSI SU476240 1 180.2m	0.01	0.30	0.03%	0.99%	14.63	48.78%
		SSSI SU476240 1 190.2m	0.01	0.28	0.03%	0.94%	14.62	48.73%
SSSI SU476240 1 200.2m	0.01	0.27	0.03%	0.90%	14.61	48.69%		
Ashtrim Nurseries	SINC	SINC EA0137 1 4.5m	0.09	4.69	0.31%	15.62%	17.15	57.17%
		SINC EA0137 1 14.5m	0.05	2.43	0.17%	8.11%	14.90	49.65%
		SINC EA0137 1 24.5m	0.04	1.65	0.12%	5.51%	14.12	47.06%
		SINC EA0137 1 34.5m	0.03	1.25	0.09%	4.18%	13.72	45.73%
		SINC EA0137 1 44.5m	0.02	1.01	0.08%	3.38%	13.48	44.92%

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLe		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC EA0137 1 54.5m	0.02	0.85	0.07%	2.83%	13.31	44.38%
		SINC EA0137 1 64.5m	0.02	0.73	0.06%	2.44%	13.20	43.99%
		SINC EA0137 1 74.5m	0.02	0.64	0.05%	2.15%	13.11	43.70%
		SINC EA0137 1 84.5m	0.02	0.58	0.05%	1.92%	13.04	43.47%
Swamp west of Recreation Grounds	SINC	SINC EA0028 1 0.4m	0.16	8.16	0.52%	27.20%	20.62	68.74%
		SINC EA0028 1 10.4m	0.06	3.06	0.20%	10.20%	15.52	51.75%
		SINC EA0028 1 20.4m	0.04	1.88	0.13%	6.26%	14.34	47.80%
		SINC EA0028 1 30.4m	0.03	1.34	0.10%	4.48%	13.81	46.03%
		SINC EA0028 1 40.4m	0.02	1.04	0.08%	3.47%	13.50	45.02%
		SINC EA0028 1 50.4m	0.02	0.84	0.07%	2.82%	13.31	44.36%
		SINC EA0028 1 60.4m	0.02	0.71	0.06%	2.35%	13.17	43.90%
		SINC EA0028 1 70.4m	0.02	0.60	0.05%	2.01%	13.07	43.56%
		SINC EA0028 1 80.4m	0.01	0.53	0.05%	1.75%	12.99	43.30%
		SINC EA0028 1 90.4m	0.01	0.46	0.04%	1.54%	12.93	43.09%
		SINC EA0028 1 100.4m	0.01	0.41	0.04%	1.38%	12.88	42.92%
		SINC EA0028 1 110.4m	0.01	0.37	0.04%	1.24%	12.84	42.78%
		SINC EA0028 1 120.4m	0.01	0.34	0.04%	1.12%	12.80	42.67%
		SINC EA0028 1 130.4m	0.01	0.31	0.03%	1.03%	12.77	42.57%
		SINC EA0028 1 140.4m	0.01	0.28	0.03%	0.94%	12.75	42.49%
		SINC EA0028 1 150.4m	0.01	0.26	0.03%	0.87%	12.72	42.41%
		SINC EA0028 1 160.4m	0.01	0.24	0.03%	0.80%	12.70	42.35%
		SINC EA0028 1 170.4m	0.01	0.22	0.03%	0.75%	12.69	42.29%
		SINC EA0028 1 180.4m	0.01	0.21	0.03%	0.70%	12.67	42.24%
		SINC EA0028 1 190.4m	0.01	0.20	0.03%	0.65%	12.66	42.20%
SINC EA0028 1 200.4m	0.01	0.18	0.03%	0.61%	12.65	42.16%		
Stoke Park Wood	AW, SINC	SINC EA0073 1 19.1m	0.04	1.83	0.13%	6.09%	13.12	43.74%
		SINC EA0073 1 29.1m	0.03	1.31	0.10%	4.36%	12.60	42.00%
		SINC EA0073 1 39.1m	0.02	1.02	0.08%	3.39%	12.31	41.04%
		SINC EA0073 1 49.1m	0.02	0.83	0.07%	2.78%	12.13	40.43%
		SINC EA0073 1 59.1m	0.02	0.71	0.06%	2.36%	12.00	40.00%
		SINC EA0073 1 69.1m	0.02	0.61	0.05%	2.05%	11.91	39.69%
		SINC EA0073 1 79.1m	0.01	0.54	0.05%	1.81%	11.84	39.45%
		SINC EA0073 1 89.1m	0.01	0.49	0.05%	1.62%	11.78	39.27%
		SINC EA0073 1 99.1m	0.01	0.44	0.04%	1.47%	11.73	39.12%
		SINC EA0073 1 109.1m	0.01	0.40	0.04%	1.35%	11.70	38.99%
		SINC EA0073 1 119.1m	0.01	0.37	0.04%	1.24%	11.67	38.89%
		SINC EA0073 1 129.1m	0.01	0.35	0.04%	1.15%	11.64	38.80%
		SINC EA0073 1 139.1m	0.01	0.32	0.04%	1.08%	11.06	36.85%
		SINC EA0073 1 149.1m	0.01	0.30	0.03%	1.01%	11.04	36.78%
		SINC EA0073 1 159.1m	0.01	0.29	0.03%	0.95%	11.02	36.73%
		SINC EA0073 1 169.1m	0.01	0.27	0.03%	0.90%	11.00	36.67%
		SINC EA0073 1 179.1m	0.01	0.26	0.03%	0.85%	10.99	36.63%
SINC EA0073 1 189.1m	0.01	0.24	0.03%	0.81%	10.98	36.59%		
SINC EA0073 1 199.1m	0.01	0.23	0.03%	0.78%	10.97	36.55%		

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Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLe		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
Fielders Farm Meadows (Eastleigh)	SINC	SINC EA0097 1 0m	0.42	5.30	1.40%	17.66%	15.57	51.90%
		SINC EA0097 1 30m	0.19	1.07	0.62%	3.57%	11.34	37.81%
		SINC EA0097 1 40m	0.13	0.83	0.42%	2.76%	11.10	37.00%
		SINC EA0097 1 50m	0.11	0.69	0.36%	2.30%	10.96	36.54%
		SINC EA0097 1 60m	0.11	0.61	0.36%	2.02%	10.88	36.26%
		SINC EA0097 1 80m	0.13	0.52	0.43%	1.74%	10.79	35.98%
		SINC EA0097 1 90m	0.09	0.45	0.30%	1.49%	10.72	35.73%
		SINC EA0097 1 100m	0.08	0.40	0.25%	1.34%	10.67	35.58%
		SINC EA0097 1 110m	0.07	0.37	0.23%	1.23%	10.64	35.47%
		SINC EA0097 1 120m	0.06	0.34	0.21%	1.15%	10.62	35.39%
		SINC EA0097 1 130m	0.06	0.32	0.20%	1.08%	10.60	35.32%
		SINC EA0097 1 140m	0.06	0.31	0.20%	1.02%	10.58	35.26%
		SINC EA0097 1 150m	0.06	0.29	0.20%	0.98%	9.90	33.00%
		SINC EA0097 1 160m	0.06	0.28	0.21%	0.95%	9.89	32.97%
		SINC EA0097 1 170m	0.07	0.28	0.23%	0.93%	9.88	32.95%
SINC EA0097 1 180m	0.08	0.28	0.27%	0.94%	9.89	32.96%		
The Mount, Fair Oak and Horton Heath	AW, SINC	SINC EA0098 1 164m	0.13	0.35	0.42%	1.16%	9.95	33.17%
		SINC EA0098 1 174m	0.07	0.29	0.25%	0.95%	9.89	32.97%
		SINC EA0098 1 184m	0.06	0.26	0.20%	0.88%	9.87	32.89%
		SINC EA0098 1 194m	0.05	0.25	0.17%	0.82%	9.85	32.84%
		SINC EA0098 1 204m	0.05	0.24	0.16%	0.79%	9.84	32.80%
River Itchen	SAC, SSSI	SAC UK0012599 1 0m	0.16	8.54	0.54%	28.47%	21.00	70.01%
		SAC UK0012599 1 10m	0.06	3.19	0.21%	10.62%	15.65	52.17%
		SAC UK0012599 1 20m	0.04	1.96	0.14%	6.53%	14.42	48.07%
		SAC UK0012599 1 30m	0.03	1.40	0.10%	4.68%	13.87	46.23%
		SAC UK0012599 1 40m	0.02	1.09	0.08%	3.63%	13.55	45.17%
		SAC UK0012599 1 50m	0.02	0.88	0.07%	2.94%	13.34	44.48%
		SAC UK0012599 1 60m	0.02	0.74	0.06%	2.45%	13.20	44.00%
		SAC UK0012599 1 70m	0.02	0.63	0.05%	2.09%	13.09	43.64%
		SAC UK0012599 1 80m	0.01	0.55	0.05%	1.82%	13.01	43.36%
		SAC UK0012599 1 90m	0.01	0.48	0.04%	1.60%	12.94	43.14%
		SAC UK0012599 1 100m	0.01	0.43	0.04%	1.42%	12.89	42.97%
		SAC UK0012599 1 110m	0.01	0.38	0.04%	1.28%	12.85	42.82%
		SAC UK0012599 1 120m	0.01	0.35	0.04%	1.16%	12.81	42.70%
		SAC UK0012599 1 130m	0.01	0.32	0.03%	1.05%	12.78	42.60%
SAC UK0012599 1 140m	0.01	0.29	0.03%	0.96%	12.75	42.51%		
Fareham Borough Council								
Blakes Copse	AW, SINC	AW 1488004 1 8.6m	0.11	-1.11	0.36%	-3.71%	9.22	30.74%
		AW 1488004 1 18.6m	0.07	-0.66	0.22%	-2.20%	9.67	32.24%
		AW 1488004 1 28.6m	0.05	-0.47	0.16%	-1.56%	9.86	32.88%
		AW 1488004 1 38.6m	0.04	-0.36	0.12%	-1.21%	9.97	33.24%
		AW 1488004 1 48.6m	0.03	-0.29	0.10%	-0.98%	10.04	33.46%
		AW 1488004 1 58.6m	0.03	-0.25	0.09%	-0.83%	10.09	33.62%
AW 1488004 1 68.6m	0.02	-0.21	0.08%	-0.71%	10.12	33.73%		

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLE		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
Havant Borough Council								
Chichester and Langstone Harbours	Ramsar, SAC, SPA, SSSI	Ramsar UK11013 1 159.3m	0.03	0.07	0.10%	0.23%	17.81	59.38%
		Ramsar UK11013 1 169.3m	0.03	0.06	0.09%	0.22%	17.81	59.37%
		Ramsar UK11013 1 179.3m	0.03	0.06	0.08%	0.21%	17.81	59.36%
		Ramsar UK11013 1 189.3m	0.02	0.06	0.08%	0.20%	17.81	59.35%
		Ramsar UK11013 1 199.3m	0.02	0.06	0.08%	0.19%	17.80	59.35%
Fort Purbrook Paddock 1 (Havant)	SINC	SINC HV0006 1 73m	0.02	0.30	0.08%	1.01%	13.84	46.12%
		SINC HV0006 1 83m	0.02	0.27	0.07%	0.90%	13.81	46.02%
		SINC HV0006 1 93m	0.02	0.25	0.07%	0.82%	13.78	45.93%
		SINC HV0006 1 103m	0.02	0.23	0.06%	0.75%	13.76	45.87%
		SINC HV0006 1 113m	0.02	0.21	0.06%	0.69%	13.74	45.81%
		SINC HV0006 1 123m	0.02	0.19	0.05%	0.65%	13.73	45.76%
		SINC HV0006 1 133m	0.02	0.18	0.05%	0.61%	13.72	45.72%
		SINC HV0006 1 143m	0.01	0.17	0.05%	0.57%	13.71	45.69%
		SINC HV0006 1 153m	0.01	0.16	0.04%	0.54%	13.70	45.66%
		SINC HV0006 1 163m	0.01	0.15	0.04%	0.51%	13.69	45.63%
		SINC HV0006 1 173m	0.01	0.15	0.04%	0.49%	13.68	45.60%
		SINC HV0006 1 183m	0.01	0.14	0.04%	0.47%	13.67	45.58%
		SINC HV0006 1 193m	0.01	0.13	0.04%	0.45%	13.67	45.56%
		SINC HV0006 1 203m	0.01	0.13	0.04%	0.43%	13.66	45.55%
Fields off Havant Road	SINC	SINC HV0027 1 3.1m	0.10	2.07	0.33%	6.89%	17.46	58.21%
		SINC HV0027 1 13.1m	0.05	0.98	0.16%	3.28%	16.38	54.60%
		SINC HV0027 1 23.1m	0.03	0.65	0.11%	2.17%	16.05	53.49%
		SINC HV0027 1 33.1m	0.02	0.49	0.08%	1.63%	15.89	52.95%
		SINC HV0027 1 43.1m	0.02	0.39	0.07%	1.31%	15.79	52.63%
		SINC HV0027 1 53.1m	0.02	0.33	0.06%	1.10%	15.73	52.42%
		SINC HV0027 1 63.1m	0.02	0.29	0.05%	0.95%	15.68	52.27%
		SINC HV0027 1 73.1m	0.01	0.25	0.05%	0.84%	15.65	52.16%
		SINC HV0027 1 83.1m	0.01	0.23	0.04%	0.75%	15.62	52.07%
		SINC HV0027 1 93.1m	0.01	0.20	0.04%	0.68%	15.60	52.00%
		SINC HV0027 1 103.1m	0.01	0.19	0.04%	0.63%	15.58	51.94%
		SINC HV0027 1 113.1m	0.01	0.17	0.03%	0.58%	15.57	51.90%
		SINC HV0027 1 123.1m	0.01	0.16	0.03%	0.54%	15.56	51.86%
		SINC HV0027 1 133.1m	0.01	0.15	0.03%	0.50%	15.55	51.82%
		SINC HV0027 1 143.1m	0.01	0.14	0.03%	0.47%	15.54	51.79%
		SINC HV0027 1 153.1m	0.01	0.13	0.03%	0.45%	15.53	51.77%
		SINC HV0027 1 163.1m	0.01	0.13	0.03%	0.42%	15.52	51.74%
SINC HV0027 1 173.1m	0.01	0.12	0.03%	0.40%	15.52	51.72%		
SINC HV0027 1 183.1m	0.01	0.12	0.03%	0.39%	15.51	51.71%		
SINC HV0027 1 193.1m	0.01	0.11	0.02%	0.37%	15.51	51.69%		
St Faith's Churchyard	SINC	SINC HV0150 1 153m	<0.01	0.12	0.01%	0.41%	14.99	49.98%
		SINC HV0150 1 163m	<0.01	0.12	0.01%	0.38%	14.99	49.96%
		SINC HV0150 1 173m	<0.01	0.11	0.01%	0.36%	14.98	49.94%
		SINC HV0150 1 183m	<0.01	0.10	0.01%	0.35%	14.98	49.92%

Hampshire Water Transfer and Water Recycling Project
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Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLE		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC HV0150 1 193m	<0.01	0.10	0.01%	0.33%	14.97	49.90%
Portsmouth Golf Course West	SINC	SINC HV0002 1 80m	0.03	0.32	0.09%	1.06%	13.82	46.07%
		SINC HV0002 1 90m	0.02	0.29	0.08%	0.96%	13.79	45.97%
		SINC HV0002 1 100m	0.02	0.26	0.07%	0.88%	13.77	45.89%
		SINC HV0002 1 110m	0.02	0.24	0.07%	0.81%	13.75	45.82%
		SINC HV0002 1 120m	0.02	0.23	0.06%	0.76%	13.73	45.77%
		SINC HV0002 1 130m	0.02	0.21	0.06%	0.71%	13.72	45.72%
Fort Purbrook	SINC	SINC HV0003 1 75.8m	0.03	0.32	0.09%	1.05%	13.82	46.06%
		SINC HV0003 1 85.8m	0.02	0.28	0.08%	0.94%	13.79	45.95%
		SINC HV0003 1 95.8m	0.02	0.26	0.07%	0.86%	13.76	45.87%
		SINC HV0003 1 105.8m	0.02	0.24	0.07%	0.79%	13.74	45.80%
		SINC HV0003 1 115.8m	0.02	0.22	0.06%	0.73%	13.72	45.74%
		SINC HV0003 1 125.8m	0.02	0.20	0.06%	0.68%	13.71	45.69%
		SINC HV0003 1 135.8m	0.02	0.19	0.05%	0.63%	13.69	45.64%
		SINC HV0003 1 145.8m	0.01	0.18	0.05%	0.60%	13.68	45.61%
		SINC HV0003 1 155.8m	0.01	0.17	0.05%	0.56%	13.67	45.58%
		SINC HV0003 1 165.8m	0.01	0.16	0.04%	0.54%	13.66	45.55%
		SINC HV0003 1 175.8m	0.01	0.15	0.04%	0.51%	13.66	45.52%
		SINC HV0003 1 185.8m	0.01	0.15	0.04%	0.49%	13.65	45.50%
		SINC HV0003 1 195.8m	0.01	0.14	0.04%	0.47%	13.64	45.48%
		Fort Purbrook Paddock 2 (Havant)	SINC	SINC HV0007 1 85.5m	0.01	0.21	0.05%	0.70%
SINC HV0007 1 95.5m	0.01			0.19	0.04%	0.65%	13.73	45.76%
SINC HV0007 1 105.5m	0.01			0.18	0.04%	0.60%	13.72	45.72%
SINC HV0007 1 115.5m	0.01			0.17	0.04%	0.56%	13.70	45.68%
Fort Purbrook Paddock 3 (Havant)	SINC	SINC HV0143 1 75.3m	0.01	0.22	0.05%	0.75%	13.76	45.86%
		SINC HV0143 1 85.3m	0.01	0.20	0.04%	0.68%	13.74	45.79%
		SINC HV0143 1 95.3m	0.01	0.19	0.04%	0.62%	13.72	45.74%
		SINC HV0143 1 105.3m	0.01	0.17	0.04%	0.58%	13.71	45.69%
		SINC HV0143 1 115.3m	0.01	0.16	0.04%	0.54%	13.70	45.66%
Fort Purbrook Paddock 4 (Havant)	SINC	SINC HV0142 1 84.9m	0.01	0.20	0.04%	0.65%	13.73	45.77%
		SINC HV0142 1 94.9m	0.01	0.18	0.04%	0.60%	13.71	45.71%
		SINC HV0142 1 104.9m	0.01	0.17	0.03%	0.55%	13.70	45.67%
		SINC HV0142 1 114.9m	0.01	0.15	0.03%	0.52%	13.69	45.63%
Field east of Farlington Redoubt (North)	SINC	SINC HV0014 1 86.3m	0.01	0.19	0.04%	0.63%	13.72	45.74%
		SINC HV0014 1 96.3m	0.01	0.17	0.03%	0.57%	13.71	45.69%
		SINC HV0014 1 106.3m	0.01	0.16	0.03%	0.53%	13.69	45.65%
		SINC HV0014 1 116.3m	0.01	0.15	0.03%	0.49%	13.68	45.61%
		SINC HV0014 1 126.3m	0.01	0.14	0.03%	0.46%	13.67	45.58%
		SINC HV0014 1 136.3m	0.01	0.13	0.03%	0.44%	13.67	45.55%
		SINC HV0014 1 146.3m	0.01	0.12	0.03%	0.41%	13.66	45.53%
		SINC HV0014 1 156.3m	0.01	0.12	0.03%	0.39%	13.65	45.51%
		SINC HV0014 1 166.3m	0.01	0.11	0.02%	0.37%	13.65	45.49%
SINC HV0014 1 176.3m	0.01	0.11	0.02%	0.36%	13.64	45.47%		
		SINC HV0014 1 186.3m	0.01	0.10	0.02%	0.34%	13.64	45.46%

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration (µg.m ⁻³)		Change as % of CLe		With Proposed Development and cumulative (µg.m ⁻³)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC HV0014 1 196.3m	0.01	0.10	0.02%	0.33%	13.63	45.44%
Portsmouth Golf Course East	SINC	SINC HV0011 1 126.3m	0.01	0.18	0.04%	0.58%	13.71	45.70%
		SINC HV0011 1 136.3m	0.01	0.16	0.04%	0.55%	13.70	45.66%
		SINC HV0011 1 146.3m	0.01	0.16	0.04%	0.52%	13.69	45.63%
		SINC HV0011 1 156.3m	0.01	0.15	0.04%	0.49%	13.68	45.61%
		SINC HV0011 1 166.3m	0.01	0.14	0.04%	0.47%	13.68	45.58%
		SINC HV0011 1 176.3m	0.01	0.13	0.04%	0.45%	13.67	45.56%
		SINC HV0011 1 186.3m	0.01	0.13	0.03%	0.43%	13.66	45.54%
		SINC HV0011 1 196.3m	0.01	0.12	0.03%	0.41%	13.66	45.53%
Portsmouth City Council								
Fort Widley and Surrounds	SINC	SINC PO0002 1 5.9m	0.06	2.13	0.19%	7.10%	17.64	58.81%
		SINC PO0002 1 15.9m	0.03	1.17	0.11%	3.89%	16.68	55.60%
		SINC PO0002 1 25.9m	0.03	0.82	0.08%	2.72%	16.33	54.43%
		SINC PO0002 1 35.9m	0.02	0.63	0.07%	2.11%	16.15	53.82%
		SINC PO0002 1 45.9m	0.02	0.52	0.06%	1.74%	16.03	53.45%
		SINC PO0002 1 55.9m	0.02	0.45	0.05%	1.48%	15.96	53.19%
		SINC PO0002 1 65.9m	0.01	0.39	0.05%	1.30%	15.90	53.01%
		SINC PO0002 1 75.9m	0.01	0.35	0.05%	1.16%	15.86	52.87%
		SINC PO0002 1 85.9m	0.01	0.32	0.04%	1.05%	15.83	52.76%
		SINC PO0002 1 95.9m	0.01	0.29	0.04%	0.97%	15.80	52.68%
		SINC PO0002 1 105.9m	0.01	0.27	0.04%	0.89%	15.78	52.60%
		SINC PO0002 1 115.9m	0.01	0.25	0.04%	0.83%	15.76	52.54%
		SINC PO0002 1 125.9m	0.01	0.23	0.04%	0.78%	15.75	52.49%
		SINC PO0002 1 135.9m	0.01	0.22	0.03%	0.74%	15.73	52.44%
		SINC PO0002 1 145.9m	0.01	0.21	0.03%	0.70%	15.72	52.41%
		SINC PO0002 1 155.9m	0.01	0.20	0.03%	0.66%	15.71	52.37%
		SINC PO0002 1 165.9m	0.01	0.19	0.03%	0.63%	15.70	52.34%
		SINC PO0002 1 175.9m	0.01	0.18	0.03%	0.60%	15.69	52.31%
		SINC PO0002 1 185.9m	0.01	0.17	0.03%	0.58%	15.69	52.29%
		SINC PO0002 1 195.9m	0.01	0.17	0.03%	0.56%	15.68	52.27%
SINC PO0002 1 205.9m	0.01	0.16	0.03%	0.54%	15.67	52.24%		
Meadow west of Farlington Avenue	SINC	SINC PO0006 1 3.9m	0.23	2.75	0.77%	9.17%	16.25	54.18%
		SINC PO0006 1 13.9m	0.12	1.38	0.38%	4.60%	14.88	49.61%
		SINC PO0006 1 23.9m	0.08	0.94	0.26%	3.13%	14.44	48.14%
		SINC PO0006 1 33.9m	0.06	0.72	0.20%	2.41%	14.23	47.42%
		SINC PO0006 1 43.9m	0.05	0.59	0.16%	1.98%	14.10	46.99%
		SINC PO0006 1 53.9m	0.04	0.51	0.14%	1.69%	14.01	46.70%
		SINC PO0006 1 63.9m	0.04	0.44	0.12%	1.48%	13.95	46.49%
		SINC PO0006 1 73.9m	0.03	0.40	0.11%	1.33%	13.90	46.34%
		SINC PO0006 1 83.9m	0.03	0.36	0.10%	1.20%	13.86	46.21%
SINC PO0006 1 93.9m	0.03	0.33	0.09%	1.11%	13.84	46.12%		
Land to the north of Portsdown Hill Road	SINC	SINC PO0009 1 4m	0.08	1.56	0.26%	5.21%	15.10	50.33%
		SINC PO0009 1 14m	0.04	0.79	0.14%	2.64%	14.33	47.76%
		SINC PO0009 1 24m	0.03	0.54	0.10%	1.80%	14.07	46.92%

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Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLE		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC PO0009 1 34m	0.02	0.41	0.08%	1.38%	13.95	46.50%
		SINC PO0009 1 44m	0.02	0.34	0.06%	1.13%	13.87	46.25%
		SINC PO0009 1 54m	0.02	0.29	0.06%	0.96%	13.82	46.08%
		SINC PO0009 1 64m	0.02	0.25	0.05%	0.84%	13.79	45.96%
		SINC PO0009 1 74m	0.01	0.23	0.05%	0.76%	13.76	45.87%
East and west of Gillman Road	SINC	SINC PO0019 1 3.2m	0.09	1.85	0.31%	6.18%	15.39	51.30%
		SINC PO0019 1 13.2m	0.05	0.90	0.15%	3.01%	14.44	48.13%
		SINC PO0019 1 23.2m	0.03	0.61	0.11%	2.03%	14.14	47.15%
		SINC PO0019 1 33.2m	0.03	0.47	0.08%	1.55%	14.00	46.67%
		SINC PO0019 1 43.2m	0.02	0.38	0.07%	1.26%	13.91	46.38%
		SINC PO0019 1 53.2m	0.02	0.32	0.06%	1.07%	13.86	46.19%
		SINC PO0019 1 83.2m	0.01	0.23	0.05%	0.76%	13.76	45.87%
		SINC PO0019 1 123.2m	0.01	0.17	0.04%	0.56%	13.70	45.68%
		SINC PO0019 1 133.2m	0.01	0.16	0.04%	0.53%	13.69	45.65%
		SINC PO0019 1 143.2m	0.01	0.15	0.03%	0.50%	13.69	45.62%
		SINC PO0019 1 153.2m	0.01	0.14	0.03%	0.48%	13.68	45.59%
		SINC PO0019 1 163.2m	0.01	0.14	0.03%	0.46%	13.67	45.57%
		SINC PO0019 1 173.2m	0.01	0.13	0.03%	0.44%	13.67	45.55%
		SINC PO0019 1 183.2m	0.01	0.13	0.03%	0.42%	13.66	45.53%
Land to the south of Portsdown Hill Road	SINC	SINC PO004 1 2.3m	0.40	6.26	1.33%	20.87%	20.34	67.79%
		SINC PO004 1 12.3m	0.23	3.80	0.76%	12.66%	17.87	59.57%
		SINC PO004 1 22.3m	0.16	2.75	0.54%	9.17%	16.82	56.08%
		SINC PO004 1 32.3m	0.13	2.13	0.42%	7.10%	16.21	54.02%
		SINC PO004 1 42.3m	0.10	1.71	0.34%	5.71%	15.79	52.62%
		SINC PO004 1 52.3m	0.08	1.42	0.28%	4.72%	15.49	51.63%
Field to west of Gillman Road	SINC	SINC PO0025 1 3m	0.26	3.06	0.86%	10.20%	16.56	55.21%
		SINC PO0025 1 13m	0.12	1.41	0.39%	4.70%	14.91	49.71%
		SINC PO0025 1 23m	0.08	0.92	0.26%	3.06%	14.42	48.07%
		SINC PO0025 1 33m	0.06	0.68	0.19%	2.28%	14.19	47.29%
		SINC PO0025 1 43m	0.05	0.54	0.15%	1.81%	14.05	46.83%
		SINC PO0025 1 53m	0.04	0.45	0.12%	1.51%	13.96	46.52%
		SINC PO0025 1 63m	0.03	0.39	0.11%	1.30%	13.89	46.31%
		SINC PO0025 1 73m	0.03	0.34	0.09%	1.14%	13.84	46.15%
		SINC PO0025 1 83m	0.02	0.30	0.08%	1.01%	13.81	46.02%
		SINC PO0025 1 93m	0.02	0.27	0.07%	0.91%	13.78	45.92%
Birkdale Avenue	SINC	SINC PO0029 1 4.8m	0.21	2.52	0.71%	8.39%	16.02	53.40%
		SINC PO0029 1 14.8m	0.11	1.30	0.36%	4.32%	14.80	49.33%
		SINC PO0029 1 24.8m	0.07	0.88	0.25%	2.93%	14.38	47.94%
Portsdown	SSSI	SSSI SU640065 1 0.7m	0.12	4.57	0.40%	15.23%	18.64	62.14%
		SSSI SU640065 1 10.7m	0.05	1.83	0.18%	6.10%	15.90	53.01%
		SSSI SU640065 1 20.7m	0.04	1.18	0.13%	3.93%	15.25	50.85%
		SSSI SU640065 1 30.7m	0.03	0.89	0.10%	2.95%	14.96	49.86%
		SSSI SU640065 1 40.7m	0.03	0.72	0.09%	2.39%	14.79	49.30%
		SSSI SU640065 1 50.7m	0.02	0.61	0.08%	2.03%	14.68	48.95%

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration (µg.m ⁻³)		Change as % of CLe		With Proposed Development and cumulative (µg.m ⁻³)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SSSI SU640065 1 60.7m	0.02	0.53	0.07%	1.78%	14.61	48.70%
		SSSI SU640065 1 70.7m	0.02	0.48	0.07%	1.60%	14.55	48.51%
		SSSI SU640065 1 80.7m	0.02	0.44	0.06%	1.46%	14.51	48.37%
		SSSI SU640065 1 90.7m	0.02	0.41	0.06%	1.35%	14.48	48.27%
		SSSI SU640065 1 100.7m	0.02	0.38	0.06%	1.27%	14.45	48.18%
		SSSI SU640065 1 110.7m	0.02	0.36	0.06%	1.20%	14.43	48.11%
		SSSI SU640065 1 120.7m	0.02	0.34	0.06%	1.15%	14.42	48.06%
		SSSI SU640065 1 130.7m	0.02	0.33	0.05%	1.10%	14.40	48.01%
		SSSI SU640065 1 140.7m	0.02	0.32	0.05%	1.06%	14.39	47.98%
		SSSI SU640065 1 150.7m	0.02	0.31	0.05%	1.04%	14.38	47.95%
		SSSI SU640065 1 160.7m	0.02	0.30	0.05%	1.01%	14.38	47.93%
		SSSI SU640065 1 170.7m	0.02	0.30	0.05%	1.00%	14.37	47.91%
		SSSI SU640065 1 180.7m	0.02	0.29	0.05%	0.98%	14.37	47.90%
		SSSI SU640065 1 190.7m	0.02	0.29	0.05%	0.97%	14.37	47.89%
SSSI SU640065 1 200.7m	0.02	0.29	0.05%	0.97%	14.37	47.88%		
Fort Purbrook Paddock 2 (Havant)	SINC	SINC HV0007 1 75.5m	0.01	0.23	0.05%	0.77%	13.77	45.89%
		SINC HV0142 1 74.9m	0.01	0.22	0.04%	0.72%	13.75	45.83%
		SINC HV0014 1 76.3m	0.01	0.21	0.04%	0.69%	13.74	45.81%
		SINC PO00009 2 3.5m	0.09	1.81	0.30%	6.02%	15.34	51.14%
		SINC PO00009 2 13.5m	0.05	0.90	0.16%	2.99%	14.43	48.11%
		SINC PO00009 2 23.5m	0.03	0.61	0.11%	2.04%	14.15	47.15%
		SINC PO00009 2 33.5m	0.03	0.47	0.09%	1.56%	14.00	46.68%
		SINC PO00009 2 43.5m	0.02	0.38	0.07%	1.28%	13.92	46.40%
		SINC PO00009 2 53.5m	0.02	0.33	0.07%	1.09%	13.86	46.21%
SINC PO00009 2 63.5m	0.02	0.29	0.06%	0.96%	13.82	46.07%		
Farlington Avenue	SINC	SINC PO0026 1 61.2m	0.03	0.41	0.12%	1.38%	13.92	46.39%
James Callaghan Drive	SINC	SINC PO0021_1_0m	0.11	4.65	0.38%	15.49%	17.59	58.62%
Winchester City Council								
Martins Copse	AW	AW 1488658 1 176.6m	0.01	-0.09	0.04%	-0.29%	9.65	32.16%
		AW 1488658 1 186.6m	0.01	-0.08	0.04%	-0.27%	9.65	32.18%
		AW 1488658 1 196.6m	0.01	-0.08	0.04%	-0.26%	9.66	32.20%
Unnamed Ancient Woodland east of Cranbourne Drive	AW	AW 1488547 1 11m	0.36	1.79	1.20%	5.97%	10.80	36.00%
		AW 1488547 1 21m	0.26	1.31	0.88%	4.37%	10.32	34.41%
		AW 1488547 1 31m	0.21	1.04	0.70%	3.48%	10.06	33.52%
		AW 1488547 1 41m	0.17	0.87	0.58%	2.90%	9.88	32.94%
		AW 1488547 1 51m	0.15	0.75	0.50%	2.50%	9.76	32.54%
Unnamed Ancient Woodland west of Otterbourne Transfer Plant	AW	AW 1489079 1 0m	0.50	2.52	1.68%	8.40%	11.53	38.43%
		AW 1489079 1 10m	0.25	1.26	0.84%	4.21%	10.27	34.25%
		AW 1489079 1 20m	0.18	0.88	0.59%	2.94%	9.89	32.98%
		AW 1489079 1 30m	0.14	0.68	0.46%	2.28%	9.70	32.32%
Fielders Farm Meadows (Winchester)	SINC	SINC WC0682 1 13.1m	0.16	1.80	0.54%	6.01%	12.08	40.25%
		SINC WC0682 1 23.1m	0.13	1.22	0.45%	4.08%	11.49	38.32%
		SINC WC0682 1 33.1m	0.11	0.93	0.36%	3.10%	11.20	37.34%

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLe		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC WC0682 1 43.1m	0.09	0.75	0.31%	2.51%	11.03	36.75%
		SINC WC0682 1 53.1m	0.08	0.64	0.27%	2.12%	10.91	36.36%
		SINC WC0682 1 63.1m	0.07	0.55	0.24%	1.84%	10.82	36.08%
		SINC WC0682 1 73.1m	0.06	0.49	0.21%	1.63%	10.76	35.87%
		SINC WC0682 1 83.1m	0.06	0.44	0.19%	1.47%	10.71	35.71%
		SINC WC0682 1 93.1m	0.05	0.40	0.18%	1.34%	10.67	35.58%
		SINC WC0682 1 103.1m	0.05	0.37	0.17%	1.23%	10.64	35.47%
		SINC WC0682 1 113.1m	0.05	0.34	0.16%	1.14%	10.61	35.38%
		SINC WC0682 1 123.1m	0.04	0.32	0.15%	1.06%	10.59	35.30%
		SINC WC0682 1 133.1m	0.04	0.30	0.14%	1.00%	10.57	35.24%
		SINC WC0682 1 143.1m	0.04	0.28	0.13%	0.94%	10.56	35.18%
		SINC WC0682 1 153.1m	0.04	0.27	0.12%	0.90%	10.54	35.14%
		SINC WC0682 1 163.1m	0.04	0.26	0.12%	0.85%	9.86	32.87%
		SINC WC0682 1 173.1m	0.03	0.24	0.11%	0.81%	9.85	32.83%
		SINC WC0682 1 183.1m	0.03	0.23	0.11%	0.78%	9.84	32.80%
		SINC WC0682 1 193.1m	0.03	0.22	0.11%	0.75%	9.83	32.77%
SINC WC0682 1 203.1m	0.03	0.22	0.10%	0.72%	9.82	32.74%		
Stratton's Copse	AW, SINC	AW 1490813 1 180m	0.02	0.21	0.06%	0.68%	9.70	32.32%
		AW 1490813 1 190m	0.02	0.20	0.05%	0.66%	9.69	32.29%
		AW 1490813 1 200m	0.02	0.19	0.05%	0.63%	9.68	32.26%
Blacknell's Copse	AW, SINC	AW 1490902 1 71m	0.03	0.44	0.09%	1.47%	9.93	33.11%
		AW 1490902 1 81m	0.03	0.40	0.09%	1.32%	9.89	32.95%
		AW 1490902 1 91m	0.02	0.36	0.08%	1.20%	9.85	32.83%
		AW 1490902 1 101m	0.02	0.33	0.08%	1.10%	9.82	32.74%
		AW 1490902 1 111m	0.02	0.31	0.07%	1.02%	9.80	32.65%
		AW 1490902 1 121m	0.02	0.29	0.07%	0.95%	9.78	32.58%
		AW 1490902 1 131m	0.02	0.27	0.07%	0.89%	9.76	32.53%
		AW 1490902 1 141m	0.02	0.25	0.06%	0.84%	9.74	32.47%
		AW 1490902 1 151m	0.02	0.24	0.06%	0.80%	9.73	32.43%
		AW 1490902 1 161m	0.02	0.23	0.06%	0.76%	9.72	32.39%
		AW 1490902 1 171m	0.02	0.22	0.06%	0.72%	9.71	32.35%
		AW 1490902 1 181m	0.02	0.21	0.06%	0.69%	9.70	32.32%
AW 1490902 1 191m	0.02	0.20	0.05%	0.66%	9.69	32.29%		
Great Moorlands Copse Complex	SINC	SINC WC0050 1 5.6m	0.34	1.58	1.13%	5.28%	11.41	38.04%
		SINC WC0050 1 15.6m	0.22	1.03	0.74%	3.43%	10.85	36.18%
		SINC WC0050 1 25.6m	0.17	0.77	0.56%	2.58%	10.60	35.33%
		SINC WC0050 1 35.6m	0.14	0.62	0.46%	2.08%	10.45	34.84%
		SINC WC0050 1 45.6m	0.12	0.52	0.39%	1.75%	10.35	34.50%
		SINC WC0050 1 55.6m	0.10	0.45	0.33%	1.51%	10.28	34.26%
		SINC WC0050 1 65.6m	0.09	0.40	0.30%	1.33%	10.22	34.08%
		SINC WC0050 1 75.6m	0.08	0.36	0.26%	1.19%	10.18	33.94%
		SINC WC0050 1 85.6m	0.07	0.32	0.24%	1.07%	10.15	33.83%
SINC WC0050 1 95.6m	0.07	0.29	0.22%	0.98%	10.12	33.73%		
SINC WC0050 1 105.6m	0.06	0.27	0.20%	0.90%	10.10	33.66%		

Hampshire Water Transfer and Water Recycling Project
 Environmental Statement – Appendix 6.5 Construction road vehicle exhaust emissions assessment – Full ecological transect results – nitrogen oxides

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration (µg.m ⁻³)		Change as % of CLE		With Proposed Development and cumulative (µg.m ⁻³)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC WC0050 1 115.6m	0.06	0.25	0.19%	0.83%	10.08	33.59%
		SINC WC0050 1 125.6m	0.05	0.23	0.17%	0.78%	10.06	33.53%
		SINC WC0050 1 135.6m	0.05	0.22	0.16%	0.73%	10.04	33.48%
		SINC WC0050 1 145.6m	0.05	0.21	0.15%	0.68%	10.03	33.44%
		SINC WC0050 1 155.6m	0.04	0.19	0.14%	0.64%	10.02	33.40%
		SINC WC0050 1 165.6m	0.04	0.18	0.14%	0.61%	10.01	33.36%
Colden Common Wood	AW, SINC	AW 149852 1 27.3m	0.05	0.86	0.15%	2.88%	10.35	34.51%
		AW 149852 1 37.3m	0.04	0.68	0.13%	2.26%	10.17	33.89%
		AW 149852 1 47.3m	0.03	0.56	0.11%	1.87%	10.05	33.50%
		AW 149852 1 57.3m	0.03	0.48	0.10%	1.60%	9.97	33.24%
		AW 149852 1 67.3m	0.03	0.42	0.09%	1.41%	9.91	33.04%
		AW 149852 1 77.3m	0.03	0.38	0.08%	1.26%	9.87	32.89%
Colden Common Wood and Blacknells Copse	SINC	SINC WC0095 1 0m	0.19	4.28	0.64%	14.28%	13.77	45.91%
		SINC WC0095 1 10m	0.08	1.73	0.28%	5.76%	11.22	37.39%
		SINC WC0095 1 20m	0.06	1.09	0.19%	3.63%	10.58	35.26%
		SINC WC0095 1 30m	0.04	0.80	0.15%	2.68%	10.29	34.31%
		SINC WC0095 1 40m	0.04	0.64	0.12%	2.14%	10.13	33.77%
		SINC WC0095 1 50m	0.03	0.54	0.11%	1.79%	10.03	33.42%
		SINC WC0095 1 60m	0.03	0.46	0.10%	1.55%	9.95	33.18%
		SINC WC0095 1 70m	0.03	0.41	0.09%	1.37%	9.90	33.00%
Fisher's Pond Wood	AW	AW 1490836 1 154m	0.02	0.23	0.07%	0.78%	9.72	32.41%
		AW 1490836 1 164m	0.02	0.22	0.07%	0.74%	9.71	32.37%
		AW 1490836 1 174m	0.02	0.21	0.07%	0.71%	9.70	32.34%
		AW 1490836 1 184m	0.02	0.20	0.07%	0.68%	9.43	31.44%
		AW 1490836 1 194m	0.02	0.20	0.07%	0.65%	9.43	31.42%
Freemantles/Gt. Moorlands	AW	AW 1488462 1 4.5m	0.34	1.70	1.14%	5.67%	10.71	35.71%
		AW 1488462 1 14.5m	0.21	1.05	0.70%	3.51%	10.06	33.54%
		AW 1488462 1 24.5m	0.16	0.78	0.52%	2.59%	9.79	32.62%
		AW 1488462 1 34.5m	0.12	0.62	0.41%	2.06%	9.63	32.09%
		AW 1488462 1 44.5m	0.10	0.51	0.34%	1.71%	9.53	31.75%
		AW 1488462 1 54.5m	0.09	0.44	0.30%	1.47%	9.45	31.51%
		AW 1488462 1 64.5m	0.08	0.39	0.26%	1.28%	9.40	31.32%
		AW 1488462 1 74.5m	0.07	0.34	0.23%	1.14%	9.35	31.18%
		AW 1488462 1 84.5m	0.06	0.31	0.21%	1.03%	9.32	31.07%
		AW 1488462 1 94.5m	0.06	0.28	0.19%	0.94%	9.29	30.98%
		AW 1488462 1 104.5m	0.05	0.26	0.17%	0.86%	9.27	30.90%
		AW 1488462 1 114.5m	0.05	0.24	0.16%	0.79%	9.25	30.83%
		AW 1488462 1 124.5m	0.04	0.22	0.15%	0.74%	9.23	30.78%
		AW 1488462 1 134.5m	0.04	0.21	0.14%	0.69%	9.22	30.73%
		AW 1488462 1 144.5m	0.04	0.19	0.13%	0.65%	9.21	30.69%
		AW 1488462 1 154.5m	0.04	0.18	0.12%	0.61%	9.19	30.65%
		AW 1488462 1 164.5m	0.03	0.17	0.12%	0.58%	9.18	30.61%
AW 1488462 1 174.5m	0.03	0.16	0.11%	0.55%	9.18	30.58%		
AW 1488462 1 184.5m	0.03	0.16	0.10%	0.52%	9.17	30.56%		

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration (µg.m ⁻³)		Change as % of CLe		With Proposed Development and cumulative (µg.m ⁻³)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		AW 1488462 1 194.5m	0.03	0.15	0.10%	0.49%	9.16	30.53%
		AW 1488462 1 204.5m	0.03	0.14	0.10%	0.47%	9.15	30.51%
Taylor's Copse	AW, SINC	AW 1490898 1 197m	0.02	0.20	0.06%	0.68%	9.22	30.72%
River Itchen	SAC, SSSI	SAC SU475240 1 0m	0.55	3.51	1.84%	11.69%	12.65	42.18%
		SAC SU475240 1 10m	0.30	2.55	0.99%	8.50%	11.70	39.00%
		SAC SU475240 1 20m	0.23	3.07	0.76%	10.24%	12.22	40.73%
		SAC SU475240 1 40m	0.15	2.08	0.49%	6.93%	11.23	37.43%
		SAC SU475240 1 50m	0.12	1.30	0.39%	4.33%	10.45	34.82%
		SAC SU475240 1 60m	0.10	0.97	0.33%	3.24%	10.12	33.73%
		SAC SU475240 1 70m	0.09	0.78	0.29%	2.61%	9.93	33.11%
River Itchen	SSSI	SSSI SU476240 2 0m	0.75	4.30	2.51%	14.32%	13.44	44.81%
		SSSI SU476240 2 10m	0.43	2.63	1.43%	8.77%	11.78	39.26%
		SSSI SU476240 2 20m	0.32	2.07	1.07%	6.90%	11.22	37.39%
		SSSI SU476240 2 30m	0.26	1.77	0.88%	5.89%	10.92	36.38%
		SSSI SU476240 2 40m	0.23	1.58	0.75%	5.26%	10.73	35.75%
		SSSI SU476240 2 50m	0.20	1.45	0.67%	4.83%	10.60	35.33%
		SSSI SU476240 2 60m	0.18	1.36	0.61%	4.55%	10.51	35.04%
		SSSI SU476240 2 70m	0.17	1.31	0.56%	4.36%	10.45	34.85%
		SSSI SU476240 2 80m	0.16	1.27	0.52%	4.24%	10.42	34.73%
		SSSI SU476240 2 90m	0.15	1.26	0.50%	4.21%	10.41	34.70%
		SSSI SU476240 2 100m	0.15	1.28	0.49%	4.26%	10.43	34.75%
		SSSI SU476240 2 110m	0.14	1.33	0.48%	4.42%	10.48	34.92%
		SSSI SU476240 2 120m	0.15	1.43	0.49%	4.76%	10.58	35.25%
Otterbourne Primary School Meadow	SINC	SINC WC0062 1 164.5m	0.07	0.31	0.22%	1.04%	10.14	33.79%
		SINC WC0062 1 174.5m	0.06	0.30	0.21%	0.99%	10.12	33.75%
		SINC WC0062 1 184.5m	0.06	0.29	0.20%	0.95%	10.11	33.70%
		SINC WC0062 1 194.5m	0.06	0.27	0.19%	0.91%	10.10	33.67%
Colden Common Meadow and Woodland	SINC	SINC WC0089 1 9.7m	0.10	2.03	0.32%	6.76%	11.52	38.39%
		SINC WC0089 1 19.7m	0.07	1.31	0.22%	4.36%	10.80	35.99%
		SINC WC0089 1 29.7m	0.05	0.96	0.17%	3.22%	10.45	34.85%
		SINC WC0089 1 39.7m	0.04	0.77	0.14%	2.55%	10.26	34.19%
		SINC WC0089 1 49.7m	0.04	0.64	0.12%	2.12%	10.13	33.76%
		SINC WC0089 1 59.7m	0.03	0.55	0.11%	1.82%	10.04	33.45%
		SINC WC0089 1 69.7m	0.03	0.48	0.10%	1.60%	9.97	33.23%
		SINC WC0089 1 79.7m	0.03	0.43	0.09%	1.43%	9.92	33.06%
		SINC WC0089 1 89.7m	0.03	0.39	0.09%	1.29%	9.88	32.92%
Durnford's Yard Meadow	SINC	SINC WC0082 1 186m	0.02	0.34	0.08%	1.14%	9.35	31.18%
		SINC WC0082 1 196m	0.02	0.32	0.08%	1.05%	9.33	31.09%
Great Moorlands Copse Complex	SINC	SINC WC0050 2 17.6m	0.31	1.52	1.02%	5.05%	11.34	37.81%
		SINC WC0050 2 27.6m	0.24	1.17	0.80%	3.91%	11.00	36.66%
		SINC WC0050 2 37.6m	0.20	0.96	0.66%	3.21%	10.79	35.96%
		SINC WC0050 2 47.6m	0.17	0.82	0.56%	2.73%	10.65	35.49%
		SINC WC0050 2 57.6m	0.15	0.72	0.49%	2.39%	10.54	35.14%

Hampshire Water Transfer and Water Recycling Project
 Environmental Statement – Appendix 6.5 Construction road vehicle exhaust emissions assessment – Full ecological transect results – nitrogen oxides

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLe		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC WC0050 2 67.6m	0.13	0.64	0.44%	2.12%	10.46	34.88%
		SINC WC0050 2 77.6m	0.12	0.58	0.40%	1.92%	10.40	34.67%
		SINC WC0050 2 87.6m	0.11	0.53	0.37%	1.75%	10.35	34.51%
		SINC WC0050 2 97.6m	0.10	0.48	0.34%	1.61%	10.31	34.37%
		SINC WC0050 2 107.6m	0.10	0.45	0.32%	1.50%	10.28	34.25%
Alma Meadows (North)	SINC	SINC WC0160 1 6.7m	0.07	0.63	0.24%	2.09%	9.85	32.84%
		SINC WC0160 1 16.7m	0.05	0.54	0.16%	1.79%	9.76	32.54%
		SINC WC0160 1 26.7m	0.04	0.50	0.13%	1.65%	9.72	32.40%
		SINC WC0160 1 36.7m	0.03	0.47	0.11%	1.56%	9.69	32.31%
		SINC WC0160 1 46.7m	0.03	0.45	0.10%	1.49%	9.67	32.24%
		SINC WC0160 1 56.7m	0.03	0.43	0.10%	1.42%	9.65	32.17%
		SINC WC0160 1 66.7m	0.03	0.41	0.09%	1.36%	9.63	32.11%
		SINC WC0160 1 76.7m	0.03	0.39	0.09%	1.30%	9.62	32.05%
		SINC WC0160 1 86.7m	0.03	0.38	0.08%	1.25%	9.60	32.00%
		SINC WC0160 1 96.7m	0.02	0.36	0.08%	1.20%	9.58	31.95%
		SINC WC0160 1 106.7m	0.02	0.35	0.08%	1.16%	9.57	31.90%
		SINC WC0160 1 116.7m	0.02	0.33	0.08%	1.11%	9.56	31.86%
		Motte and Bailey and Chalk Pit	SINC	SINC WC0577 1 2.2m	0.10	3.17	0.32%	10.58%
SINC WC0577 1 12.2m	0.06			1.50	0.18%	5.01%	12.10	40.32%
SINC WC0577 1 22.2m	0.04			0.99	0.14%	3.29%	11.58	38.59%
SINC WC0577 1 32.2m	0.03			0.73	0.12%	2.45%	11.33	37.75%
SINC WC0577 1 42.2m	0.03			0.58	0.10%	1.95%	11.18	37.26%
SINC WC0577 1 52.2m	0.03			0.49	0.09%	1.62%	11.08	36.93%
Blacknell's Copse Paddock	SINC	SINC WC0092 1 1.7m	0.16	3.62	0.53%	12.08%	13.11	43.71%
		SINC WC0092 1 11.7m	0.08	1.65	0.26%	5.49%	11.14	37.12%
		SINC WC0092 1 21.7m	0.05	1.08	0.18%	3.59%	10.57	35.23%
		SINC WC0092 1 31.7m	0.04	0.81	0.14%	2.69%	10.30	34.32%
		SINC WC0092 1 41.7m	0.04	0.65	0.12%	2.17%	10.14	33.80%
		SINC WC0092 1 51.7m	0.03	0.55	0.10%	1.82%	10.04	33.46%
		SINC WC0092 1 61.7m	0.03	0.47	0.09%	1.58%	9.96	33.21%
		SINC WC0092 1 71.7m	0.03	0.42	0.09%	1.40%	9.91	33.03%
		SINC WC0092 1 81.7m	0.02	0.38	0.08%	1.26%	9.87	32.89%
		SINC WC0092 1 91.7m	0.02	0.34	0.08%	1.15%	9.83	32.78%
		SINC WC0092 1 101.7m	0.02	0.32	0.07%	1.06%	9.81	32.69%
		SINC WC0092 1 111.7m	0.02	0.29	0.07%	0.98%	9.78	32.61%
		SINC WC0092 1 121.7m	0.02	0.27	0.07%	0.91%	9.76	32.55%
		SINC WC0092 1 131.7m	0.02	0.26	0.06%	0.86%	9.75	32.49%
		SINC WC0092 1 141.7m	0.02	0.24	0.06%	0.81%	9.73	32.44%
SINC WC0092 1 151.7m	0.02	0.23	0.06%	0.77%	9.72	32.40%		
SINC WC0092 1 161.7m	0.02	0.22	0.06%	0.73%	9.71	32.37%		
Wickham Meadow	SINC	SINC WC0344 1 0m	0.03	-0.16	0.12%	-0.55%	9.57	31.90%
		SINC WC0344 1 10m	0.03	-0.15	0.11%	-0.51%	9.58	31.95%
		SINC WC0344 1 20m	0.03	-0.14	0.11%	-0.47%	9.59	31.98%
		SINC WC0344 1 30m	0.03	-0.13	0.11%	-0.44%	9.60	32.01%

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLe		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC WC0344 1 40m	0.03	-0.12	0.10%	-0.41%	9.61	32.04%
		SINC WC0344 1 50m	0.03	-0.11	0.10%	-0.38%	9.62	32.07%
		SINC WC0344 1 60m	0.03	-0.11	0.11%	-0.35%	9.63	32.10%
		SINC WC0344 1 70m	0.04	-0.10	0.12%	-0.32%	9.64	32.14%
		SINC WC0087 1 3.6m	0.39	1.67	1.29%	5.58%	10.82	36.07%
		SINC WC0087 1 13.6m	0.27	1.39	0.92%	4.62%	10.53	35.11%
		SINC WC0087 1 23.6m	0.22	1.22	0.74%	4.07%	10.37	34.56%
		SINC WC0087 1 33.6m	0.19	1.11	0.63%	3.69%	9.92	33.08%
		SINC WC0087 1 43.6m	0.17	1.02	0.56%	3.40%	9.84	32.79%
		SINC WC0087 1 53.6m	0.15	0.95	0.50%	3.17%	9.77	32.56%
		SINC WC0087 1 63.6m	0.14	0.90	0.45%	2.98%	9.71	32.37%
		SINC WC0087 1 73.6m	0.13	0.85	0.42%	2.82%	9.66	32.21%
		SINC WC0087 1 83.6m	0.12	0.80	0.39%	2.68%	9.62	32.07%
		SINC WC0087 1 93.6m	0.11	0.77	0.36%	2.56%	9.58	31.95%
		SINC WC0087 1 103.6m	0.10	0.73	0.34%	2.44%	9.55	31.83%
		SINC WC0087 1 113.6m	0.10	0.70	0.32%	2.34%	9.52	31.73%
		SINC WC0087 1 123.6m	0.09	0.67	0.30%	2.24%	9.49	31.63%
		SINC WC0087 1 133.6m	0.09	0.64	0.29%	2.15%	9.46	31.54%
		SINC WC0087 1 143.6m	0.08	0.62	0.27%	2.06%	9.44	31.45%
		SINC WC0087 1 153.6m	0.08	0.59	0.26%	1.98%	9.41	31.37%
		SINC WC0087 1 163.6m	0.07	0.57	0.25%	1.91%	9.39	31.30%
SINC WC0087 1 173.6m	0.07	0.55	0.24%	1.84%	9.37	31.23%		
Lower Upham Meadow	SINC	SINC WC0159 1 6.8m	0.07	0.49	0.22%	1.65%	9.72	32.40%
		SINC WC0159 1 16.8m	0.04	0.42	0.15%	1.39%	9.64	32.14%
		SINC WC0159 1 26.8m	0.03	0.37	0.12%	1.24%	9.60	31.99%
		SINC WC0159 1 36.8m	0.03	0.34	0.10%	1.12%	9.56	31.87%
		SINC WC0159 1 46.8m	0.03	0.31	0.09%	1.02%	9.53	31.77%
		SINC WC0159 1 56.8m	0.02	0.28	0.08%	0.94%	9.51	31.69%
		SINC WC0159 1 66.8m	0.02	0.26	0.07%	0.87%	9.49	31.62%
		SINC WC0159 1 76.8m	0.02	0.24	0.07%	0.81%	9.47	31.56%
		SINC WC0159 1 86.8m	0.02	0.23	0.06%	0.76%	9.45	31.50%
		SINC WC0159 1 96.8m	0.02	0.21	0.06%	0.71%	9.44	31.46%
		SINC WC0159 1 106.8m	0.02	0.20	0.05%	0.67%	9.43	31.42%
SINC WC0159 1 116.8m	0.02	0.19	0.05%	0.63%	9.41	31.38%		
Blacknells Brickworks	SINC	SINC WC0094 1 141.1m	0.02	0.25	0.06%	0.83%	9.74	32.46%
		SINC WC0094 1 151.1m	0.02	0.23	0.06%	0.78%	9.72	32.41%
		SINC WC0094 1 161.1m	0.02	0.22	0.06%	0.74%	9.71	32.38%
		SINC WC0094 1 171.1m	0.02	0.21	0.06%	0.71%	9.70	32.34%
		SINC WC0094 1 181.1m	0.02	0.20	0.05%	0.68%	9.69	32.31%
		SINC WC0094 1 191.1m	0.02	0.20	0.05%	0.65%	9.69	32.28%
		SINC WC0094 1 201.1m	0.02	0.19	0.05%	0.63%	9.68	32.26%
Temple Usk Meadow	SINC	SINC WC0084 1 74.4m	0.03	0.42	0.09%	1.38%	9.43	31.43%
		SINC WC0084 1 84.4m	0.02	0.38	0.08%	1.25%	9.39	31.29%
		SINC WC0084 1 94.4m	0.02	0.34	0.08%	1.14%	9.36	31.18%

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLE		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC WC0084 1 104.4m	0.02	0.32	0.07%	1.05%	9.33	31.10%
		SINC WC0084 1 114.4m	0.02	0.29	0.07%	0.98%	9.31	31.02%
		SINC WC0084 1 124.4m	0.02	0.28	0.07%	0.92%	9.29	30.96%
		SINC WC0084 1 134.4m	0.02	0.26	0.07%	0.86%	9.27	30.90%
		SINC WC0084 1 144.4m	0.02	0.24	0.06%	0.82%	9.26	30.86%
		SINC WC0084 1 154.4m	0.02	0.23	0.06%	0.77%	9.24	30.82%
		SINC WC0084 1 164.4m	0.02	0.22	0.06%	0.74%	9.23	30.78%
		SINC WC0084 1 174.4m	0.02	0.21	0.06%	0.70%	9.22	30.74%
		SINC WC0084 1 184.4m	0.02	0.20	0.06%	0.67%	9.21	30.72%
		SINC WC0084 1 194.4m	0.02	0.19	0.06%	0.65%	9.21	30.69%
Church of The Holy Trinity	SINC	SINC WC0088 1 3.2m	0.14	3.19	0.48%	10.63%	12.68	42.26%
		SINC WC0088 1 13.2m	0.08	1.60	0.26%	5.34%	11.09	36.97%
Shawford Down	SINC	SINC WC0072 1 0.9m	0.29	1.28	0.97%	4.27%	9.92	33.06%
		SINC WC0072 1 10.9m	0.22	1.01	0.72%	3.36%	9.65	32.15%
		SINC WC0072 1 20.9m	0.18	0.85	0.59%	2.83%	9.48	31.62%
		SINC WC0072 1 30.9m	0.15	0.74	0.51%	2.45%	9.37	31.24%
		SINC WC0072 1 40.9m	0.13	0.65	0.45%	2.17%	9.29	30.96%
		SINC WC0072 1 50.9m	0.12	0.59	0.40%	1.95%	9.22	30.75%
		SINC WC0072 1 60.9m	0.11	0.53	0.36%	1.78%	9.17	30.57%
		SINC WC0072 1 70.9m	0.10	0.49	0.33%	1.63%	9.13	30.43%
		SINC WC0072 1 80.9m	0.09	0.45	0.31%	1.51%	9.09	30.30%
		SINC WC0072 1 90.9m	0.09	0.42	0.28%	1.41%	9.06	30.20%
		SINC WC0072 1 100.9m	0.08	0.40	0.27%	1.32%	9.39	31.29%
		SINC WC0072 1 110.9m	0.07	0.37	0.25%	1.24%	9.36	31.21%
		SINC WC0072 1 120.9m	0.07	0.35	0.24%	1.18%	9.34	31.14%
		SINC WC0072 1 130.9m	0.07	0.33	0.22%	1.12%	9.32	31.08%
		SINC WC0072 1 140.9m	0.06	0.32	0.21%	1.06%	9.88	32.94%
		SINC WC0072 1 150.9m	0.06	0.30	0.20%	1.01%	9.87	32.89%
		SINC WC0072 1 160.9m	0.06	0.29	0.19%	0.97%	9.85	32.85%
		SINC WC0072 1 170.9m	0.06	0.28	0.18%	0.93%	9.84	32.81%
		SINC WC0072 1 180.9m	0.05	0.27	0.18%	0.90%	9.83	32.77%
		SINC WC0072 1 190.9m	0.05	0.26	0.17%	0.86%	9.82	32.74%
Long Mead	SINC	SINC WC0055 1 79.8m	0.11	0.56	0.38%	1.85%	10.38	34.61%
		SINC WC0055 1 89.8m	0.10	0.51	0.35%	1.70%	10.34	34.45%
		SINC WC0055 1 99.8m	0.10	0.47	0.32%	1.56%	10.30	34.32%
		SINC WC0055 1 109.8m	0.09	0.44	0.30%	1.45%	10.26	34.21%
Finches Copse	SINC	SINC WC0086 1 82.5m	0.02	0.27	0.08%	0.91%	9.76	32.54%
		SINC WC0086 1 92.5m	0.02	0.25	0.07%	0.83%	9.74	32.47%
		SINC WC0086 1 102.5m	0.02	0.23	0.07%	0.77%	9.72	32.40%
		SINC WC0086 1 112.5m	0.02	0.22	0.07%	0.72%	9.71	32.35%
		SINC WC0086 1 122.5m	0.02	0.20	0.07%	0.67%	9.69	32.31%
		SINC WC0086 1 132.5m	0.02	0.19	0.07%	0.64%	9.68	32.27%
		SINC WC0086 1 142.5m	0.02	0.18	0.07%	0.60%	9.67	32.24%
		SINC WC0086 1 152.5m	0.02	0.17	0.06%	0.57%	9.66	32.21%

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
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			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC WC0086 1 162.5m	0.02	0.16	0.06%	0.55%	9.65	32.18%
		SINC WC0086 1 172.5m	0.02	0.16	0.06%	0.53%	9.65	32.16%
		SINC WC0086 1 182.5m	0.02	0.15	0.06%	0.51%	9.64	32.14%
		SINC WC0086 1 192.5m	0.02	0.15	0.06%	0.49%	9.64	32.12%
		SINC WC0086 1 202.5m	0.02	0.14	0.06%	0.47%	9.63	32.10%
St. Catherine's Hill	SSSI	SSSI SU485274 1 0m	0.51	2.62	1.69%	8.74%	11.20	37.33%
		SSSI SU485274 1 10m	0.26	1.33	0.85%	4.42%	9.90	33.01%
		SSSI SU485274 1 20m	0.18	0.94	0.60%	3.12%	9.51	31.71%
		SSSI SU485274 1 30m	0.14	0.73	0.47%	2.44%	9.31	31.03%
		SSSI SU485274 1 40m	0.12	0.61	0.39%	2.02%	9.18	30.61%
		SSSI SU485274 1 50m	0.10	0.52	0.33%	1.73%	9.09	30.32%
		SSSI SU485274 1 60m	0.09	0.45	0.29%	1.51%	9.03	30.10%
		SSSI SU485274 1 70m	0.08	0.40	0.26%	1.35%	8.98	29.94%
		SSSI SU485274 1 80m	0.07	0.36	0.23%	1.22%	8.94	29.81%
		SSSI SU485274 1 90m	0.06	0.33	0.21%	1.11%	8.91	29.70%
		SSSI SU485274 1 100m	0.06	0.31	0.19%	1.02%	8.88	29.61%
		SSSI SU485274 1 110m	0.05	0.28	0.18%	0.95%	8.86	29.54%
		SSSI SU485274 1 120m	0.05	0.26	0.17%	0.88%	8.84	29.47%
		SSSI SU485274 1 130m	0.05	0.25	0.15%	0.83%	8.82	29.42%
		SSSI SU485274 1 140m	0.04	0.23	0.15%	0.78%	8.81	29.37%
		SSSI SU485274 1 150m	0.04	0.22	0.14%	0.73%	8.80	29.32%
SSSI SU485274 1 160m	0.04	0.21	0.13%	0.70%	8.79	29.29%		
St. Catherine's Hill	SSSI	SSSI SU485274 2 0m	0.74	3.82	2.46%	12.73%	12.40	41.32%
		SSSI SU485274 2 10m	0.39	2.02	1.30%	6.74%	10.60	35.33%
		SSSI SU485274 2 20m	0.27	1.43	0.92%	4.75%	10.00	33.34%
		SSSI SU485274 2 30m	0.21	1.11	0.71%	3.70%	9.69	32.29%
		SSSI SU485274 2 40m	0.17	0.91	0.58%	3.03%	9.49	31.62%
		SSSI SU485274 2 50m	0.15	0.77	0.49%	2.58%	9.35	31.17%
Otterbourne Hill Common	SINC	SINC WC0054 1 32m	0.22	1.05	0.72%	3.50%	10.88	36.25%
		SINC WC0054 1 42m	0.18	0.88	0.61%	2.93%	10.71	35.69%
		SINC WC0054 1 52m	0.16	0.76	0.53%	2.53%	10.59	35.29%
		SINC WC0054 1 62m	0.14	0.67	0.47%	2.24%	10.50	34.99%
		SINC WC0054 1 72m	0.13	0.60	0.43%	2.01%	10.43	34.76%
		SINC WC0054 1 82m	0.12	0.55	0.39%	1.83%	10.37	34.58%
		SINC WC0054 1 92m	0.11	0.50	0.36%	1.68%	10.33	34.43%
		SINC WC0054 1 102m	0.10	0.47	0.34%	1.55%	10.29	34.31%
		SINC WC0054 1 112m	0.10	0.43	0.32%	1.45%	10.26	34.20%
		SINC WC0054 1 122m	0.09	0.41	0.30%	1.36%	10.23	34.11%
		SINC WC0054 1 132m	0.09	0.38	0.29%	1.28%	10.21	34.04%
		SINC WC0054 1 142m	0.08	0.37	0.28%	1.22%	10.19	33.97%
		SINC WC0054 1 152m	0.08	0.35	0.27%	1.16%	10.17	33.91%
		SINC WC0054 1 162m	0.08	0.33	0.27%	1.11%	10.16	33.86%
SINC WC0054 1 172m	0.08	0.32	0.26%	1.07%	10.15	33.82%		
SINC WC0054 1 182m	0.08	0.31	0.26%	1.03%	10.14	33.78%		

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Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLE		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		SINC WC0054 1 192m	0.08	0.30	0.26%	1.00%	10.13	33.75%
		SINC WC0054 1 202m	0.08	0.29	0.26%	0.97%	10.12	33.73%
Taylor's Copse	SINC	SINC WC0083 1 112.7m	0.02	0.30	0.08%	1.01%	9.32	31.05%
		SINC WC0083 1 122.7m	0.02	0.28	0.07%	0.94%	9.30	30.98%
		SINC WC0083 1 132.7m	0.02	0.27	0.07%	0.88%	9.28	30.93%
		SINC WC0083 1 142.7m	0.02	0.25	0.07%	0.83%	9.26	30.88%
		SINC WC0083 1 152.7m	0.02	0.24	0.07%	0.79%	9.25	30.83%
		SINC WC0083 1 162.7m	0.02	0.23	0.06%	0.75%	9.24	30.79%
		SINC WC0083 1 172.7m	0.02	0.22	0.06%	0.72%	9.23	30.76%
		SINC WC0083 1 182.7m	0.02	0.21	0.06%	0.69%	9.22	30.73%
Martin's Copse	SINC	SINC WC0338 1 197m	0.01	-0.09	0.04%	-0.29%	9.65	32.16%
Fisher's Pond Wood	SINC	SINC WC0101 1 128m	0.03	0.28	0.09%	0.92%	10.55	35.16%
		SINC WC0101 1 138m	0.03	0.26	0.09%	0.87%	10.53	35.11%
		SINC WC0101 1 148m	0.03	0.25	0.08%	0.82%	10.52	35.06%
		SINC WC0101 1 158m	0.02	0.23	0.08%	0.78%	10.51	35.02%
		SINC WC0101 1 168m	0.02	0.22	0.08%	0.75%	10.50	34.99%
		SINC WC0101 1 178m	0.02	0.21	0.08%	0.71%	9.82	32.73%
		SINC WC0101 1 188m	0.02	0.21	0.08%	0.69%	9.81	32.70%
		SINC WC0101 1 198m	0.02	0.20	0.07%	0.66%	9.80	32.68%
Hockley Golf Course	SINC	SINC WC0087 2 12.7m	0.17	1.86	0.57%	6.19%	11.00	36.68%
		SINC WC0087 2 22.7m	0.14	1.35	0.45%	4.49%	10.49	34.98%
		SINC WC0087 2 32.7m	0.12	1.09	0.40%	3.64%	9.91	33.03%
		SINC WC0087 2 42.7m	0.11	0.94	0.36%	3.12%	9.75	32.51%
		SINC WC0087 2 52.7m	0.10	0.83	0.33%	2.77%	9.65	32.16%
		SINC WC0087 2 62.7m	0.09	0.75	0.31%	2.51%	9.57	31.90%
		SINC WC0087 2 72.7m	0.09	0.69	0.30%	2.32%	9.51	31.71%
		SINC WC0087 2 82.7m	0.09	0.65	0.29%	2.16%	9.46	31.55%
		SINC WC0087 2 92.7m	0.08	0.61	0.28%	2.03%	9.43	31.42%
		SINC WC0087 2 102.7m	0.08	0.58	0.27%	1.92%	9.39	31.31%
		SINC WC0087 2 112.7m	0.08	0.55	0.26%	1.83%	9.36	31.22%
		SINC WC0087 2 122.7m	0.08	0.52	0.25%	1.74%	9.34	31.13%
		SINC WC0087 2 132.7m	0.07	0.50	0.25%	1.67%	9.32	31.06%
		SINC WC0087 2 142.7m	0.07	0.48	0.24%	1.61%	9.30	31.00%
		SINC WC0087 2 152.7m	0.07	0.47	0.23%	1.55%	9.28	30.94%
		SINC WC0087 2 162.7m	0.07	0.45	0.23%	1.50%	9.27	30.89%
		SINC WC0087 2 172.7m	0.07	0.44	0.22%	1.45%	9.25	30.84%
		SINC WC0087 2 182.7m	0.07	0.42	0.22%	1.41%	9.24	30.80%
SINC WC0087 2 192.7m	0.06	0.41	0.22%	1.37%	9.23	30.76%		
SINC WC0087 2 202.7m	0.06	0.40	0.21%	1.33%	9.22	30.72%		
Castle/Woodend Copses	AW	AW 1488208 1 61m	0.09	0.41	0.28%	1.35%	10.23	34.11%
		AW 1488208 1 71m	0.08	0.36	0.25%	1.20%	10.19	33.95%
		AW 1488208 1 81m	0.07	0.32	0.23%	1.08%	10.15	33.83%
		AW 1488208 1 91m	0.06	0.29	0.21%	0.98%	10.12	33.74%
		AW 1488208 1 101m	0.06	0.27	0.19%	0.90%	10.10	33.65%

Ecological feature	Designation	Transect ID and distance from road link	Maximum nitrogen oxides contribution				Total nitrogen oxides concentration including background	
			Change in nitrogen oxides concentration ($\mu\text{g.m}^{-3}$)		Change as % of CLE		With Proposed Development and cumulative ($\mu\text{g.m}^{-3}$)	% of Critical Levels
			Contribution from Proposed Development alone	Contribution from Proposed Development and cumulative	Proposed Development alone contribution	Proposed Development and cumulative		
		AW 1488208 1 111m	0.05	0.25	0.18%	0.83%	10.08	33.58%
		AW 1488208 1 121m	0.05	0.23	0.16%	0.77%	10.06	33.53%
		AW 1488208 1 131m	0.05	0.22	0.15%	0.72%	10.04	33.47%
		AW 1488208 1 141m	0.04	0.20	0.14%	0.68%	10.03	33.43%
		AW 1488208 1 151m	0.04	0.19	0.14%	0.64%	10.02	33.39%
Colden Common Meadow and Woodland	SINC	SINC WC0089 2 4m	0.13	2.96	0.44%	9.86%	12.45	41.50%
		SINC WC0089 2 14m	0.07	1.54	0.25%	5.13%	11.03	36.76%
		SINC WC0089 2 24m	0.05	1.05	0.18%	3.51%	10.54	35.14%
		SINC WC0089 2 34m	0.04	0.80	0.15%	2.68%	10.29	34.31%
		SINC WC0089 2 44m	0.04	0.66	0.12%	2.19%	10.15	33.82%
		SINC WC0089 2 54m	0.03	0.56	0.11%	1.85%	10.05	33.49%
		SINC WC0089 2 64m	0.03	0.48	0.10%	1.61%	9.97	33.25%
		SINC WC0089 2 74m	0.03	0.43	0.09%	1.43%	9.92	33.07%
		SINC WC0089 2 84m	0.03	0.39	0.08%	1.29%	9.88	32.93%
		SINC WC0089 2 94m	0.02	0.35	0.08%	1.18%	9.84	32.81%
		SINC WC0089 2 104m	0.02	0.33	0.08%	1.09%	9.82	32.72%
		SINC WC0089 2 114m	0.02	0.30	0.07%	1.01%	9.79	32.64%
		SINC WC0089 2 124m	0.02	0.28	0.07%	0.94%	9.77	32.57%
		River Itchen	SAC, SSSI	SAC SU475240 2 0m	0.74	4.07	2.45%	13.55%
SAC SU475240 2 10m	0.40			2.32	1.32%	7.73%	11.47	38.22%
SAC SU475240 2 20m	0.29			1.73	0.95%	5.75%	10.87	36.25%
SAC SU475240 2 30m	0.23			1.41	0.76%	4.68%	10.55	35.18%
SAC SU475240 2 40m	0.19			1.20	0.63%	4.00%	10.35	34.49%
SAC SU475240 2 50m	0.16			1.05	0.55%	3.52%	10.20	34.01%
SAC SU475240 2 60m	0.15			0.95	0.48%	3.16%	10.10	33.65%
River Itchen	SSSI	SSSI SU476240 2 55m	0.07	0.54	0.24%	1.82%	9.69	32.31%
		SSSI SU476240 2 65m	0.06	0.48	0.21%	1.60%	9.63	32.09%
		SSSI SU476240 2 75m	0.06	0.43	0.20%	1.43%	9.58	31.93%
		SSSI SU476240 2 85m	0.05	0.39	0.18%	1.30%	9.54	31.79%
		SSSI SU476240 2 95m	0.05	0.36	0.17%	1.19%	9.50	31.68%
		SSSI SU476240 2 105m	0.05	0.33	0.16%	1.10%	9.48	31.59%
		SSSI SU476240 2 115m	0.04	0.31	0.15%	1.02%	9.45	31.51%
		SSSI SU476240 2 125m	0.04	0.29	0.14%	0.95%	9.43	31.44%
		SSSI SU476240 2 135m	0.04	0.27	0.13%	0.89%	9.42	31.38%
		SSSI SU476240 2 145m	0.04	0.25	0.12%	0.84%	9.40	31.33%
		SSSI SU476240 2 155m	0.03	0.24	0.12%	0.79%	9.39	31.28%
		SSSI SU476240 2 165m	0.03	0.23	0.11%	0.75%	9.37	31.24%
		SSSI SU476240 2 175m	0.03	0.21	0.10%	0.71%	9.36	31.21%
		SSSI SU476240 2 185m	0.03	0.20	0.10%	0.68%	9.35	31.17%
SSSI SU476240 2 195m	0.03	0.19	0.09%	0.65%	9.34	31.14%		



from
Southern
Water. 

The logo graphic for Southern Water, featuring three stylized, white, wavy lines that resemble water waves.