

A47 Wansford to Sutton Dualling

Scheme Number: TR010039

Volume 6

6.3 Environmental Statement Appendices **Appendix 5.3 – Receptor results**

APFP Regulation 5(2)(a)

Planning Act 2008

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

July 2021

Infrastructure Planning

Planning Act 2008

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

A47 Wansford to Sutton
Development Consent Order 202[x]

ENVIRONMENTAL STATEMENT APPENDICES
Appendix 5.3 - Receptor results

Regulation Number:	Regulation 5(2)(a)
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Appendix 5.3 – Air quality receptor results

5.1. Ecological receptor results

- 5.1.1. This appendix contains the results for all of the worst-case modelled ecological receptors.
- 5.1.2. A total of four ecological transects were modelled to predict air quality concentrations at a local level. The full modelled results are presented in Table 1.

Table 1: Full modelling results for ecological transects

Receptor	X	Y	Annual mean NO _x (µg/m ³)			
			Base 2015	DM 2025	DS 2025	DS - DM
Thorpe_Wood_AW_01	515789	298360	49.4	27.9	28.5	0.6
Thorpe_Wood_AW_02	515798	298366	45.0	26.0	26.4	0.5
Thorpe_Wood_AW_03	515806	298372	42.0	24.6	25.0	0.4
Thorpe_Wood_AW_04	515814	298377	39.7	23.5	23.9	0.4
Thorpe_Wood_AW_05	515822	298383	37.9	22.8	23.1	0.4
Thorpe_Wood_AW_06	515830	298389	36.5	22.1	22.5	0.4
Thorpe_Wood_AW_07	515838	298395	35.4	21.6	22.0	0.3
Thorpe_Wood_AW_08	515846	298401	34.5	21.2	21.5	0.3
Thorpe_Wood_AW_09	515854	298407	33.7	20.8	21.2	0.3
Thorpe_Wood_AW_10	515862	298413	33.0	20.5	20.8	0.3
Thorpe_Wood_AW_11	515870	298419	32.4	20.3	20.6	0.3
Thorpe_Wood_AW_12	515878	298425	31.9	20.1	20.3	0.3
Thorpe_Wood_AW_13	515886	298431	31.4	19.9	20.1	0.3
Thorpe_Wood_AW_14	515894	298437	31.1	19.7	20.0	0.3

Receptor	X	Y	Annual mean NO _x (µg/m ³)			
			Base 2015	DM 2025	DS 2025	DS - DM
Thorpe_Wood_AW_15	515902	298443	30.7	19.5	19.8	0.3
Thorpe_Wood_AW_16	515910	298448	30.4	19.4	19.7	0.3
Thorpe_Wood_AW_17	515919	298454	30.1	19.3	19.5	0.3
Sibson_Flood_Meadows_01	509953	297409	62.5	28.9	28.6	-0.3
Sibson_Flood_Meadows_02	509957	297418	52.8	25.2	25.0	-0.2
Sibson_Flood_Meadows_03	509961	297428	46.7	22.9	22.7	-0.2
Sibson_Flood_Meadows_04	509965	297437	42.4	21.3	21.2	-0.2
Sibson_Flood_Meadows_05	509968	297446	39.3	20.2	20.1	-0.1
Sibson_Flood_Meadows_06	509972	297455	36.9	19.3	19.2	-0.1
Sibson_Flood_Meadows_07	509976	297465	35.1	18.6	18.5	-0.1
Sibson_Flood_Meadows_08	509979	297474	33.5	18.0	17.9	-0.1
Sibson_Flood_Meadows_09	509983	297483	32.2	17.5	17.5	-0.1
Sibson_Flood_Meadows_10	509987	297493	31.2	17.1	17.1	-0.1
Sibson_Flood_Meadows_11	509991	297502	30.2	16.8	16.7	-0.1
Sibson_Flood_Meadows_12	509994	297511	29.5	16.5	16.4	-0.1
Sibson_Flood_Meadows_13	509998	297520	28.8	16.2	16.2	-0.1
Sibson_Flood_Meadows_14	510002	297530	28.8	16.5	16.4	-0.1

Receptor	X	Y	Annual mean NO _x (µg/m ³)			
			Base 2015	DM 2025	DS 2025	DS - DM
Sibson_Flood_Meadows_15	510006	297539	28.2	16.3	16.2	0.0
Sibson_Flood_Meadows_16	510009	297548	27.7	16.1	16.0	0.0
Sibson_Flood_Meadows_17	510013	297558	27.3	15.9	15.9	0.0
Sibson_Flood_Meadows_18	510017	297567	26.9	15.8	15.7	0.0
Roadside_Nature_Reserve_01	507878	299729	58.6	28.4	26.5	-1.9