

# A47 Blofield to North Burlingham Dualling

**Scheme Number: TR010040**

**Volume 6**

## **6.2 Environmental Statement Appendices** **Appendix 5.3 – Air Quality Receptor Results**

APFP Regulation 5(2)(a)

Planning Act 2008

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

December 2020

Infrastructure Planning

Planning Act 2008

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

A47 Blofield to North Burlingham  
Development Consent Order 202[x]

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**ENVIRONMENTAL STATEMENT APPENDICES**  
**Appendix 5.3 Air Quality Receptor Results**

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<b>Regulation Number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference</b>	TR010040
<b>Application Document Reference</b>	6.2
<b>BIM Document Reference</b>	PCF Stage 3
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## Appendix 5.3 – Air Quality Receptor Results

This appendix contains the results for all worst-case modelled human (Table 5-1) and ecological receptors (Table 5-2).

### 5.1. Human Health Receptor Results

5.1.1. A total of 179 human health receptors were modelled to predict air quality concentrations at a local level. The full modelled results are presented in 5-1.

Table 5-1: Modelled Air Quality human health results for NO<sub>2</sub> and PM<sub>10</sub>.

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R1	629654	308676	The Grange, Yarmouth Road, Postwick, Norwich, NR13 5HA	Residential	18.3	11.0	11.1	0.1	15.7
R2	629230	309659	Apple Tree Farmhouse, Smea Lane, Great Little Plumstead, Norwich, NR13 5AX	Residential	13.5	8.9	9.0	0.1	15.1
R3	629035	308836	Heath Farm, Broadland Way, Postwick, Norwich, NR13 5HB	Residential	16.8	10.1	10.2	0.1	15.5
R4	628928	310619	Oaks Farm, Middle Road, Great Little Plumstead, Norwich, NR13 5EQ	Residential	13.3	9.2	9.2	0.1	14.8
R5	628984	310291	The Red House, Low Road, Great Little Plumstead, Norwich, NR13 5ED	Residential	13.3	9.1	9.2	0.1	14.8

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R6	628630	311434	The Railway Crossing, Plumstead Road, Great Little Plumstead, Norwich, NR13 5BX	Residential	14.3	11.0	11.1	0.1	14.4
R7	627577	315175	All Saints House, Dobbs Lane, Rackheath, Norwich, NR13 6NL	Residential	-	6.6	6.6	0.0	-
R8	628268	315218	Manor Farm, Wroxham Road, Salhouse, Norwich, NR13 6NH	Residential	-	6.7	6.7	0.0	-
R9	633980	307482	11 Long Lane, Strumpshaw, Norwich, NR13 4HY	Residential	12.1	7.3	7.2	-0.1	12.6
R10	631933	308677	2 Holmesdale Road, Brundall, Norwich, NR13 5LX	Residential	16.6	10.4	10.3	-0.2	13.9
R11	632848	308342	1A, Highfield Avenue, Brundall, Norwich, NR13 5LE	Residential	17.3	11.1	10.9	-0.2	13.5
R12	634283	306976	Marsh Cottage, Low Road, Strumpshaw, Norwich, NR13 4HS	Residential	11.2	6.7	6.7	0.0	13.0
R13	633402	309998	High Lawn, North Street, Blofield,	Residential	16.8	10.5	10.8	0.3	13.8

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Norwich, NR13 4RH						
R14	631930	308584	2 Postwick Lane, Brundall, Norwich, NR13 5LR	Residential	16.4	10.4	10.3	-0.1	13.8
R15	633664	307669	41 Strumpshaw Road, Brundall, Norwich, NR13 5PG	Residential	13.1	8.4	7.8	-0.6	12.7
R16	631823	309177	19 Maurecourt Drive, Brundall, Norwich, NR13 5SD	Residential	20.8	13.1	13.3	0.3	15.2
R17	634015	307234	Nessgate, Low Road, Strumpshaw, Norwich, NR13 4HU	Residential	11.3	6.7	6.7	0.0	13.8
R18	631938	309112	56 Cucumber Lane, Brundall, Norwich, NR13 5QR	Residential	19.2	12.0	12.0	0.0	15.1
R19	633339	308018	1 The Coigncroft, Brundall, Norwich, NR13 5NX	Residential	12.7	7.9	7.6	-0.3	13.9
R20	633116	308155	2-4 Blofield Road, Brundall, Norwich, NR13 5NN	Hospital	13.1	8.2	7.8	-0.3	14.0
R21	632759	309773	Lone Cottage, Shack Lane, Blofield,	Residential	26.5	17.6	18.5	0.9	15.8

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Norwich, NR13 4DP						
R22	631864	309135	3 Maurecourt Drive, Brundall, Norwich, NR13 5SD	Residential	18.8	11.5	11.7	0.1	15.0
R23	631908	308827	Springdale Home, Cucumber Lane, Brundall, Norwich, NR13 5QY	Hospital	15.4	9.5	9.5	0.0	13.7
R24	632955	308264	14 The Street, Brundall, Norwich, NR13 5LB	Residential	14.1	8.7	8.4	-0.2	13.2
R25	634091	309951	115A Yarmouth Road, Blofield, Norwich, NR13 4LQ	Residential	22.4	14.9	17.5	2.7	16.1
R26	630867	309161	Mill Lane, Postwick, NR13 5DR	Residential	18.4	11.5	11.7	0.2	14.9
R27	634164	309907	119 Yarmouth Road, Blofield, Norwich, NR13 4LQ	Residential	18.9	11.9	13.4	1.5	15.8
R28	634076	307504	15 Long Lane, Strumpshaw, Norwich, NR13 4HZ	Residential	11.5	6.9	6.9	0.0	13.8
R29	632764	308355	27A The Street, Brundall, Norwich, NR13 5AA	Residential	16.7	10.6	10.5	-0.2	13.5

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R30	632912	308266	11 The Street, Brundall, Norwich, NR13 5JY	Residential	14.9	9.4	9.0	-0.4	13.3
R31	632576	308448	1 The Street, Brundall, Norwich, NR13 5JU	Residential	18.1	11.8	11.5	-0.3	13.6
R32	633134	309969	44 Highview Close, Blofield, Norwich, NR13 4RA	Residential	21.6	14.5	15.2	0.7	14.3
R33	631938	309037	48 Cucumber Lane, Brundall, Norwich, NR13 5QR	Residential	18.8	11.7	11.6	-0.1	15.1
R34	633443	309511	34 Yarmouth Road, Blofield, Norwich, NR13 4LE	Residential	16.5	10.1	10.6	0.5	13.8
R35	633374	309994	Blofield Primary School, North Street, Blofield, Norwich, NR13 4RH	School	16.7	10.4	10.8	0.3	13.8
R36	633531	309586	55 Yarmouth Road, Blofield, Norwich, NR13 4LE	Residential	14.8	8.9	9.2	0.3	13.6
R37	633067	308165	1 The Street, Brundall, Norwich, NR13 5JY	Residential	13.8	8.6	8.3	-0.4	14.0
R38	633465	307852	20 Strumpshaw	Residential	12.5	7.7	7.5	-0.2	12.7



Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Road, Brundall, Norwich, NR13 5PA						
R39	632286	308628	16 Saint Laurence Avenue, Brundall, Norwich, NR13 5QH	Hospital	13.8	8.4	8.4	0.0	13.2
R40	631921	308879	17 Cucumber Lane, Brundall, Norwich, NR13 5QY	Residential	17.0	10.7	10.6	-0.2	13.9
R41	633060	309892	16 Globe Court, Blofield, Norwich, NR13 4GJ	Residential	19.4	12.6	13.1	0.5	14.0
R42	633353	309465	1 Stocks Lane, Blofield, Norwich, NR13 4JY	Residential	16.9	10.5	10.8	0.3	13.9
R43	632261	308535	1 The Close, Brundall, Norwich, NR13 5LW	Residential	18.2	11.8	11.5	-0.3	13.6
R44	631923	309188	Cucumber Lane, Brundall, Norwich, NR13 5QR	Residential	24.0	15.7	15.7	0.0	15.6
R45	633476	309991	Ardenholm, Plantation Road, Blofield, Norwich, NR13 4PL	Residential	18.9	11.7	12.1	0.4	14.0
R46	633396	309615	4 Church Alley, Blofield,	Residential	17.7	10.6	10.9	0.3	13.9

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Norwich, NR13 4JJ						
R47	633918	309940	95A Yarmouth Road, Blofield, Norwich, NR13 4LQ	Residential	16.7	10.5	11.0	0.5	13.8
R48	633314	309508	Fairwinds, The Street, Blofield, Norwich, NR13 4JH	Residential	15.9	9.7	9.9	0.2	13.8
R49	631948	308952	34 Cucumber Lane, Brundall, Norwich, NR13 5QR	Residential	17.1	10.9	10.7	-0.1	13.9
R50	632847	308272	Snowys Nursery, Braydeston Avenue, Brundall, Norwich, NR13 5JX	School	14.2	8.7	8.6	-0.1	13.2
R51	633081	308187	2 The Street, Brundall, Norwich, NR13 5LB	Residential	13.2	8.1	7.9	-0.2	14.0
R52	633603	309566	26 Danesbower Close, Blofield, Norwich, NR13 4LR	Residential	14.9	9.0	9.4	0.4	13.7
R53	632574	308448	1 The Street, Brundall, Norwich, NR13 5JU	Residential	17.9	11.6	11.4	-0.3	13.6
R54	632834	308300	21 The Street, Brundall,	Hospital	15.8	9.9	9.8	-0.2	13.4

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Norwich, NR13 5AA						
R55	632818	308274	4 Braydeston Avenue, Brundall, Norwich, NR13 5JX	Hospital	14.1	8.6	8.5	0.0	13.2
R56	631751	309189	2 Maurecourt Drive, Brundall, Norwich, NR13 5SE	Residential	22.9	14.6	15.0	0.3	15.4
R57	633140	308151	St. Catherines, Strumpshaw Road, Brundall, Norwich, NR13 5PA	Residential	12.8	7.8	7.6	-0.2	13.9
R58	632868	308320	32 The Street, Brundall, Norwich, NR13 5LB	Residential	17.3	11.2	10.9	-0.3	13.5
R59	633596	309616	57 Yarmouth Road, Blofield, Norwich, NR13 4LG	Residential	14.6	8.8	9.2	0.4	13.6
R60	633492	308013	3 Cricket Field View, Brundall, Norwich, NR13 5PH	Residential	12.1	7.2	7.2	0.0	13.9
R61	631959	308631	6 Cucumber Lane, Brundall, Norwich, NR13 5QY	Residential	17.6	11.3	11.0	-0.3	14.0
R62	633490	309554	51 Yarmouth Road, Blofield,	Residential	15.5	9.4	9.8	0.4	13.7

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Norwich, NR13 4LE						
R63	633942	307446	16 Long Lane, Strumpshaw, Norwich, NR13 4HY	Residential	12.2	7.4	7.3	-0.2	12.6
R64	631956	308554	9 Redcliffe Way, Brundall, Norwich, NR13 5LS	Residential	16.2	10.2	10.1	-0.1	13.8
R65	633383	309487	32 Yarmouth Road, Blofield, Norwich, NR13 4LE	Residential	17.0	10.5	11.0	0.5	13.9
R66	633391	309514	41 Yarmouth Road, Blofield, Norwich, NR13 4LE	Residential	16.2	9.9	10.2	0.4	13.8
R67	634384	309984	Sunny Acres, Yarmouth Road, Blofield, Norwich, NR13 4LH	Residential	18.9	11.9	12.8	0.9	15.8
R68	632788	308225	Braydeston Avenue, Brundall, Norwich, NR13 5JX	School	13.4	8.0	8.0	0.0	13.1
R69	633119	308130	2 Strumpshaw Road, Brundall, Norwich, NR13 5PA	Residential	12.8	7.8	7.7	-0.2	13.9
R70	631916	308983	21 Cucumber Lane, Brundall,	Residential	17.8	11.4	11.3	-0.2	14.0

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Norwich, NR13 5QR						
R71	633997	307420	Olvic, Low Road, Strumpshaw, Norwich, NR13 4HX	Residential	12.0	7.2	7.1	-0.1	12.6
R72	631982	309262	Yarmouth Road, Postwick, Norwich, NR13 5AR	Residential	29.1	19.6	20.4	0.8	16.1
R73	631962	308584	124 The Street, Brundall, Norwich, NR13 5LP	Residential	19.6	12.9	12.6	-0.4	14.2
R74	633564	309991	11 Manor Ridge, Blofield, Norwich, NR13 4PN	Residential	16.3	10.1	10.5	0.3	13.7
R75	630844	309030	Crossways, Mill Lane, Postwick, Norwich, NR13 5AL	Residential	30.7	21.0	21.7	0.7	16.1
R76	632438	308472	55 The Street, Brundall, Norwich, NR13 5JT	Residential	17.1	10.9	10.7	-0.2	13.5
R77	632791	309895	Woodlands Manor, Shack Lane, Blofield, Norwich, NR13 4DP	Residential	17.4	10.5	10.7	0.2	14.9
R78	632995	308184	2 Station Road, Brundall, Norwich, NR13 5LA	Residential	13.5	8.2	8.1	-0.1	13.1

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R79	632015	308557	2 Longmeadow, Brundall, Norwich, NR13 5LY	Residential	16.8	10.7	10.5	-0.2	13.5
R80	632854	308293	17 The Street, Brundall, Norwich, NR13 5AA	Residential	15.4	9.6	9.4	-0.2	13.3
R81	632437	308489	74 The Street, Brundall, Norwich, NR13 5LH	Residential	21.8	14.7	14.2	-0.6	14.0
R82	632636	309544	1 Yarmouth Road, Blofield, Norwich, NR13 4DS	Residential	18.8	11.5	11.9	0.3	15.0
R83	633453	309724	The Manor House, The Street, Blofield, Norwich, NR13 4RG	Residential	15.5	9.3	9.5	0.2	13.7
R84	632684	313942	57 Primrose Corner, Woodbastwick, Norwich, NR13 6JL	Residential	12.2	7.1	7.1	0.0	14.6
R85	634132	313521	35 Salhouse Road, Woodbastwick, Norwich, NR13 6JH	Residential	12.2	7.2	7.0	-0.1	15.0
R86	631082	314112	16 Heron Close, Salhouse, Norwich, NR13 6SB	Residential	14.2	8.6	8.4	-0.2	14.0
R87	633186	310108	Corner Cottage, Lower Globe Lane,	Residential	20.7	13.1	13.8	0.7	15.6

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Blofield, Norwich, NR13 4RJ						
R88	633300	310040	The Chalfonts, North Street, Blofield, Norwich, NR13 4RH	Residential	20.7	13.4	14.0	0.6	15.6
R89	634958	313097	Upton Lodge, South Walsham Road, Woodbastwick, Norwich, NR13 6JG	Residential	13.7	8.0	7.6	-0.3	15.2
R90	634653	313229	Scotts Corner House, Scotts Corner, Woodbastwick, Norwich, NR13 6JF	Residential	13.0	7.7	7.6	-0.1	15.1
R91	634675	313302	1 Scotts Corner, Woodbastwick, Norwich, NR13 6JF	Residential	13.1	7.9	7.8	-0.1	15.1
R92	633204	310092	Dove Cottage, Lower Globe Lane, Blofield, Norwich, NR13 4RJ	Residential	24.5	16.3	17.3	1.0	16.0
R93	634648	313287	4 Scotts Corner, Woodbastwick, Norwich, NR13 6JF	Residential	14.0	8.2	8.0	-0.3	15.2
R94	633109	310046	Greyfriars, Lower Globe Lane, Blofield,	Residential	22.5	14.7	15.4	0.7	15.8

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Norwich, NR13 4RJ						
R95	630748	314065	12 Norwich Road, Salhouse, Norwich, NR13 6QZ	Residential	13.3	8.2	8.1	-0.1	14.8
R96	634652	313260	Cobweb Cottage, Scotts Corner, Woodbastwick, Norwich, NR13 6JF	Residential	14.1	8.3	8.0	-0.3	15.2
R97	634837	313216	Cotenham Farm, South Walsham Road, Woodbastwick, Norwich, NR13 6JG	Residential	12.4	7.3	7.1	-0.2	15.0
R98	633103	310135	Fourwinds, Lower Globe Lane, Blofield, Norwich, NR13 4RJ	Residential	17.5	10.5	10.9	0.3	15.3
R99	634848	314288	The Boxes, The Boxes Lane, Woodbastwick, Norwich, NR13 6JE	Residential	10.8	6.4	6.4	0.0	14.3
R100	637092	306217	1 The Green, Strumpshaw, Norwich, NR13 4HQ	Residential	10.7	6.3	6.3	0.0	14.3
R101	637868	306007	Thatch Farm Barn, Manor Road, Cantley, Norwich, NR13 3JH	Residential	11.6	6.7	7.2	0.4	14.4
R102	638054	307706	9 Hopewell Gardens,	Residential	10.9	6.4	6.5	0.1	14.6



Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Beighton, Norwich, NR13 3LB						
R103	637723	309539	Mustard House, Coxhill Road, Beighton, Norwich, NR13 4EN	Residential	14.5	8.5	8.9	0.4	15.2
R104	637976	305817	Cock Inn, Manor Road, Cantley, Norwich, NR13 3JQ	Residential	11.9	7.2	7.2	0.0	14.3
R105	638441	308132	2 Stone Corner, Beighton, Norwich, NR13 3JY	Residential	11.9	7.1	7.3	0.2	15.1
R106	637894	307285	Thistledown, High Road, Beighton, Norwich, NR13 3LJ	Residential	11.3	6.7	7.0	0.3	14.7
R107	636436	308749	13 School Road, Lingwood And Burlingham, Norwich, NR13 4TH	Residential	11.6	6.9	7.0	0.1	13.8
R108	637796	307264	Fieldsend, Old Southwood Road, Beighton, Norwich, NR13 3LW	Residential	10.8	6.4	6.5	0.1	14.6
R109	637583	306669	Four Seasons, Cantley Road, Cantley, Norwich, NR13 4HB	Residential	10.8	6.4	6.5	0.1	14.3

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R110	635212	309132	Home Farm, Blofield Road, Lingwood And Burlingham, Norwich, NR13 4AL	Residential	13.5	8.0	8.1	0.1	15.0
R111	638486	308242	Old School House, Church Hill, Beighton, Norwich, NR13 3JZ	Residential	11.1	6.6	6.7	0.1	15.0
R112	638307	308556	Low Farm, Coxhill Road, Beighton, Norwich, NR13 3JX	Residential	11.6	6.9	7.1	0.2	15.0
R113	636268	308784	34 School Road, Lingwood And Burlingham, Norwich, NR13 4TP	Residential	11.5	6.8	6.9	0.0	13.8
R114	638237	308195	Manor Farm, Coxhill Road, Beighton, Norwich, NR13 3JX	Residential	11.0	6.5	6.6	0.1	15.0
R115	637836	307240	The Conifers, Old Southwood Road, Beighton, Norwich, NR13 3LW	Residential	11.0	6.5	6.7	0.2	14.6
R116	638145	307801	3 Chapel Road, Beighton, Norwich, NR13 3LE	Residential	11.3	6.6	7.0	0.3	14.7

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R117	636134	306845	4 Wood Lane, Strumpshaw, Norwich, NR13 4HG	Residential	11.0	6.6	6.5	-0.2	14.4
R118	636227	308810	Ash Tree House, Barn Close, Lingwood And Burlingham, Norwich, NR13 4TS	Residential	11.4	6.8	6.8	0.1	13.8
R119	636419	308793	Oakdene, School Road, Lingwood And Burlingham, Norwich, NR13 4TH	Residential	11.5	6.8	6.9	0.1	13.8
R120	637968	305722	1 Manor Road, Cantley, Norwich, NR13 3JG	Residential	11.7	7.0	7.1	0.0	14.3
R121	639149	310008	3 Hillcrest, Acle, Norwich, NR13 3DA	Residential	16.5	9.7	9.9	0.3	15.0
R122	635320	312986	50 Panxworth Road, South Walsham, Norwich, NR13 6DX	Residential	13.8	8.0	7.6	-0.3	14.6
R123	639833	310210	Manor Cottage, Norwich Road, Acle, Norwich, NR13 3BY	Residential	17.0	10.0	10.2	0.2	15.1
R124	639320	310027	17 Hillcrest, Acle, Norwich, NR13 3DA	Residential	17.5	10.4	10.7	0.3	15.1

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R125	635335	312964	The Old Byre, Chameryhall Lane, South Walsham, Norwich, NR13 6DU	Residential	14.0	8.1	7.7	-0.4	14.6
R126	635213	312978	54 Panxworth Road, South Walsham, Norwich, NR13 6DX	Residential	14.0	8.1	7.7	-0.4	14.6
R127	640122	309937	Gwynsdell, Reedham Road, Acle, Norwich, NR13 3DF	Residential	15.2	9.8	9.8	0.0	13.6
R128	640146	309849	Highfield, Reedham Road, Acle, Norwich, NR13 3DF	Residential	13.0	8.0	8.1	0.1	13.4
R129	640144	309878	2 Damgate Lane, Acle, Norwich, NR13 3DH	Residential	13.3	8.3	8.3	0.1	13.4
R130	640097	309901	The Orchards, Reedham Road, Acle, Norwich, NR13 3DF	Residential	13.5	8.4	8.5	0.1	13.4
R131	644147	308958	Mill House, Acle New Road, Halvergate, Norwich, NR13 3QE	Residential	17.3	10.8	11.0	0.2	13.3
R132	640590	310390	33 Mardling Run, Acle, Norwich, NR13 3JR	Residential	23.2	15.1	15.5	0.5	14.4
R133	642983	314589	4 Council Houses,	Residential	15.8	10.1	10.4	0.3	14.7

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Main Road, Clippesby, Great Yarmouth, NR29 3BH						
R134	640126	310144	Bedlam, Reedham Road, Acle, Norwich, NR13 3DE	Residential	21.0	13.6	14.0	0.5	14.0
R135	641385	311616	Anchor Craft, Old Road, Acle, Norwich, NR13 3AS	Residential	17.7	11.4	11.7	0.3	14.1
R136	642454	312977	1 New Cottages, Main Road, Billokby, Great Yarmouth, NR29 3BG	Residential	30.4	21.6	22.6	1.1	16.6
R137	642696	313519	South House Farm, Main Road B1152, Billokby, NR29 3BQ	Residential	15.9	10.2	10.5	0.3	14.8
R138	640555	310390	14 Mardling Run, Acle, Norwich, NR13 3JR	Residential	19.9	12.4	12.7	0.2	13.9
R139	640189	310534	Elmtree House, The Green, Acle, Norwich, NR13 3QX	Residential	16.1	9.6	9.6	0.0	13.5
R140	640172	310221	Hill Crest, Norwich Road, Acle, Norwich, NR13 3DE	Residential	17.1	10.5	10.6	0.2	13.6
R141	640830	310760	66 Old Road, Acle,	Residential	20.2	12.7	13.1	0.4	14.1

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Norwich, NR13 3QP						
R142	640141	310122	1 Morgan Place, Reedham Road, Acle, Norwich, NR13 3DE	Residential	25.9	17.5	18.5	1.0	14.5
R143	640273	310143	16 Old Market Close, Acle, Norwich, NR13 3EY	Residential	27.0	18.3	19.3	0.9	14.6
R144	642488	312979	Rowan Cottage, Main Road A1064, Billockby, Great Yarmouth, NR29 3BG	Residential	14.6	9.2	9.4	0.2	14.3
R145	642034	312299	Marsh Farmhouse, Main Road A1064, Billockby, Norwich, NR13 3AX	Residential	12.9	8.0	8.1	0.1	14.1
R146	642560	313176	Teasel Cottage, Main Road B1152, Billockby, Great Yarmouth, NR29 3BQ	Residential	21.4	14.4	15.0	0.6	15.5
R147	640123	310188	Crown Ground, Reedham Road, Acle, Norwich, NR13 3DE	Residential	17.7	11.0	11.2	0.3	13.6
R148	640043	310370	The Old Rectory, Norwich Road, Acle,	Hospital	14.8	8.7	8.8	0.1	13.3

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Norwich, NR13 3BX						
R149	640139	310151	Middlesex Terrace, Reedham Road, Acle, Norwich, NR13 3DE	Residential	21.0	13.6	14.0	0.4	14.0
R150	651997	304952	210 Beccles Road, Gorleston, Great Yarmouth, NR31 8AH	Residential	-	9.2	9.3	0.1	-
R151	652097	304382	Church Lane, Gorleston, Great Yarmouth, NR31 7BQ	School	-	12.5	12.5	0.0	-
R152	652066	304907	114 Colomb Road, Gorleston, Great Yarmouth, NR31 8BU	Residential	-	13.8	14.0	0.2	-
R153	652084	304467	14 Spencer Avenue, Gorleston, Great Yarmouth, NR31 7BH	Residential	-	13.2	13.4	0.1	-
R154	652040	304623	Highview, Shrublands Way, Gorleston, Great Yarmouth, NR31 8DU	Residential	-	13.4	13.5	0.2	-
R155	652074	304941	215 Beccles Road, Gorleston, Great Yarmouth, NR31 8BX	Residential	-	13.7	13.8	0.2	-

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R156	652017	304916	219 Beccles Road, Gorleston, Great Yarmouth, NR31 8BZ	Residential	-	13.6	13.8	0.1	-
R157	652027	304870	3 Myrtle Court, Gorleston, Great Yarmouth, NR31 8EQ	Residential	-	13.3	13.5	0.1	-
R158	652092	305036	46 Humberstone Road, Gorleston, Great Yarmouth, NR31 8AF	Residential	-	18.8	18.9	0.1	-
R159	651953	308330	Gateway House, School Road, Runham Vauxhall, Great Yarmouth, NR30 1SE	Residential	-	11.0	11.0	0.1	-
R160	651985	306436	The Alchemy Centre, Suffolk Road, Great Yarmouth, NR31 0ED	School	-	9.7	9.7	0.0	-
R161	651914	305083	Wroughton Junior School, Burgh Road, Gorleston, Great Yarmouth, NR31 8BD	School	-	9.2	9.3	0.0	-
R162	652139	305485	38 Common Road, Gorleston, Great	Residential	-	18.1	18.1	0.1	-



Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
			Yarmouth, NR31 0QF						
R163	651604	306762	3 Mitchell Drive, Great Yarmouth, NR31 0GB	Residential	22.8	14.6	14.7	0.1	14.1
R164	652069	305089	34 Humberstone Road, Gorleston, Great Yarmouth, NR31 8AF	Residential	-	19.5	19.7	0.2	-
R165	651671	306611	Trafalgar College, Thamesfield Way, Great Yarmouth, NR31 0DN	School	-	11.2	11.3	0.1	-
R166	652063	305232	52 Burgh Road, Gorleston, Great Yarmouth, NR31 8BE	Residential	-	18.9	19.0	0.2	-
R167	651986	308599	34 North River Road, Runham Vauxhall, Great Yarmouth, NR30 1SJ	Residential	17.1	10.0	10.1	0.0	12.8
R168	652015	305238	74 Burgh Road, Gorleston, Great Yarmouth, NR31 8BD	Residential	-	18.9	19.0	0.2	-
R169	651960	305028	Wroughton First School, Beccles Road, Gorleston, Great Yarmouth, NR31 8AH	School	-	9.4	9.5	0.1	-

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R170	651551	307617	Cobholm County First School, Mill Road, Great Yarmouth, NR31 0BA	School	25.9	16.3	16.4	0.1	14.3
R171	652006	305191	71 Burgh Road, Gorleston, Great Yarmouth, NR31 8BD	Residential	-	18.7	18.9	0.2	-
R172	651434	307561	Breydon Bungalow, Mill Road, Great Yarmouth, NR31 0AY	Residential	33.3	21.9	22.2	0.2	15.6
R173	652271	305918	22 Queen Annes Road, Great Yarmouth, NR31 0LE	Residential	-	17.9	18.0	0.0	-
R174	652060	305189	63 Burgh Road, Gorleston, Great Yarmouth, NR31 8BE	Residential	-	19.5	19.7	0.3	-
R175	652062	305384	10 Broadland Close, Gorleston, Great Yarmouth, NR31 8GA	Residential	-	18.7	18.8	0.1	-
R176	652117	306095	Sun House, Boundary Road, Great Yarmouth, NR31 0LY	School	-	17.0	17.1	0.1	-
R177	651494	307314	37 Ladbrooke Road, Great Yarmouth, NR31 0HD	Residential	38.9	26.3	26.6	0.3	16.5

Receptor	X	Y	Address	Property Type	Annual Mean NO <sub>2</sub> (µg/m <sup>3</sup> )				Annual Mean PM <sub>10</sub> (µg/m <sup>3</sup> )
					Base 2015	DM 2025	DS 2025	DS - DM	Base 2015
R178	652013	308485	32 North River Road, Runham Vauxhall, Great Yarmouth, NR30 1SH	Residential	19.5	11.5	11.6	0.0	13.6
R179	630932	314254	Salhouse C P Primary School, Cheyney Avenue, Salhouse, Norwich, NR13 6RJ	School	11.6	6.9	6.9	0.0	14.6

## 5.2. Ecological Receptor Results

5.2.1. A total of 60 ecological receptors were modelled to predict air quality concentrations at a local level. The full modelled NO<sub>x</sub> results are presented in Table 5-2.

Table 5-2: Ecological receptor results

Receptor ID	X	Y	Annual Mean NO <sub>x</sub> (µg/m <sup>3</sup> )			
			Base 2015	DM 2025	DS 2025	DS-DM
Breydon_Water_01	651650	308102	71.8	36.5	37.4	0.9
Breydon_Water_02	651641	308106	43.8	22.2	22.7	0.5
Breydon_Water_03	651632	308111	31.2	15.8	16.2	0.4
Breydon_Water_04	651623	308115	24.5	12.3	12.7	0.3
Breydon_Water_05	651614	308119	20.2	10.1	10.4	0.3
Breydon_Water_06	651605	308123	17.1	8.6	8.8	0.2
Breydon_Water_07	651596	308128	14.8	7.4	7.6	0.2
Breydon_Water_08	651587	308132	13.0	6.5	6.7	0.2

Receptor ID	X	Y	Annual Mean NO <sub>x</sub> (µg/m <sup>3</sup> )			
			Base 2015	DM 2025	DS 2025	DS-DM
Breydon_Water_09	651578	308136	11.6	5.8	6.0	0.2
Breydon_Water_10	651569	308140	10.5	5.2	5.4	0.2
Breydon_Water_11	651560	308144	9.6	4.8	4.9	0.1
Breydon_Water_12	651551	308149	8.8	4.4	4.5	0.1
Breydon_Water_13	651542	308153	8.1	4.0	4.1	0.1
Breydon_Water_14	651533	308157	7.5	3.7	3.9	0.1
Breydon_Water_15	651524	308161	7.0	3.5	3.6	0.1
Breydon_Water_16	651514	308166	6.5	3.2	3.3	0.1
Breydon_Water_17	651505	308170	6.1	3.0	3.1	0.1
Breydon_Water_18	651496	308174	5.8	2.9	3.0	0.1
Breydon_Water_19	651487	308178	5.5	2.7	2.8	0.1
Breydon_Water_20	651478	308183	5.2	2.6	2.7	0.1
Broadland_01	643033	307324	1.3	0.7	0.7	0.0
Broadland_02	643023	307328	1.0	0.5	0.5	0.0
Broadland_03	643014	307331	0.9	0.5	0.5	0.0
Broadland_04	643005	307335	0.8	0.4	0.5	0.0
Broadland_05	642996	307339	0.8	0.4	0.4	0.0
Broadland_06	642987	307343	0.8	0.4	0.4	0.0
Broadland_07	642977	307347	0.7	0.4	0.4	0.0
Broadland_08	642968	307351	0.7	0.4	0.4	0.0
Broadland_09	642959	307355	0.7	0.4	0.4	0.0
Broadland_10	642950	307359	0.7	0.4	0.4	0.0
Broadland_11	642941	307363	0.7	0.4	0.4	0.0

Receptor ID	X	Y	Annual Mean NO <sub>x</sub> (µg/m <sup>3</sup> )			
			Base 2015	DM 2025	DS 2025	DS-DM
Broadland_12	642931	307367	0.7	0.4	0.4	0.0
Broadland_13	642922	307371	0.7	0.4	0.4	0.0
Broadland_14	642913	307374	0.7	0.4	0.4	0.0
Broadland_15	642904	307378	0.7	0.4	0.4	0.0
Broadland_16	642894	307382	0.7	0.4	0.4	0.0
Broadland_17	642885	307386	0.7	0.4	0.4	0.0
Broadland_18	642876	307390	0.7	0.4	0.4	0.0
Broadland_19	642867	307394	0.7	0.4	0.4	0.0
Broadland_20	642858	307398	0.7	0.4	0.4	0.0
Broads_SAC_01	641426	309987	23.1	12.6	13.5	0.9
Broads_SAC_02	641422	309978	14.8	8.1	8.7	0.6
Broads_SAC_03	641418	309969	11.1	6.1	6.5	0.5
Broads_SAC_04	641414	309960	9.0	4.9	5.3	0.4
Broads_SAC_05	641410	309950	7.6	4.2	4.5	0.3
Broads_SAC_06	641406	309941	6.6	3.6	3.9	0.3
Broads_SAC_07	641402	309932	5.9	3.2	3.5	0.3
Broads_SAC_08	641398	309923	5.4	2.9	3.2	0.2
Broads_SAC_09	641394	309914	4.9	2.7	2.9	0.2
Broads_SAC_10	641390	309904	4.6	2.5	2.7	0.2
Broads_SAC_11	641387	309895	4.3	2.3	2.5	0.2
Broads_SAC_12	641383	309886	4.0	2.2	2.4	0.2
Broads_SAC_13	641379	309877	3.8	2.1	2.3	0.2
Broads_SAC_14	641375	309868	3.6	2.0	2.1	0.2

Receptor ID	X	Y	Annual Mean NO <sub>x</sub> (µg/m <sup>3</sup> )			
			Base 2015	DM 2025	DS 2025	DS-DM
Broads_SAC_15	641371	309858	3.4	1.9	2.0	0.2
Broads_SAC_16	641367	309849	3.3	1.8	2.0	0.2
Broads_SAC_17	641363	309840	3.2	1.7	1.9	0.2
Broads_SAC_18	641359	309831	3.0	1.7	1.8	0.1
Broads_SAC_19	641355	309822	2.9	1.6	1.8	0.1
Broads_SAC_20	641351	309813	2.8	1.6	1.7	0.1