

Appendix 11.7

NO₂ Sensitivity Test Results

**Stafford Western Access Route Environmental Statement
Volume 3 – Technical Appendices
Appendix 11.7: NO₂ Sensitivity Test Results**

Receptor ID	Name	2013 Base	2018 DN	2018 DS	Change	Magnitude of Change
R1	18 Pennycrofts Bungalow	21.7	20.5	20.5	-0.02	<i>Imperceptible</i>
R2	Ovalside Court (Flats)	24.7	22.7	22.6	-0.11	<i>Imperceptible</i>
R3	43B Eastgate Street	27.9	25.6	25.1	-0.52	<i>Small</i>
R4	47 Eastgate Street	25.6	24.1	23.7	-0.37	<i>Imperceptible</i>
R5	122 North Walls	24.3	22.4	22.2	-0.23	<i>Imperceptible</i>
R6	2 Drakeford Court	34.2	29.6	29.1	-0.45	<i>Small</i>
R7	73 Garden Street	22.6	21.2	21.2	-0.02	<i>Imperceptible</i>
R8	3 White Lion Street	36.1	30.8	29.5	-1.34	<i>Small</i>
R9	21 Wolverhampton Road	28.9	25.3	24.9	-0.38	<i>Imperceptible</i>
R10	12 Parkers Croft Road	25.4	23.1	22.8	-0.27	<i>Imperceptible</i>
R11	95B Wolverhampton Road	30.8	26.6	26.1	-0.48	<i>Small</i>
R12	27 Wolverhampton Road	31.7	27.2	26.8	-0.35	<i>Imperceptible</i>
R13	28 Wolverhampton Road	33.5	28.3	28.2	-0.05	<i>Imperceptible</i>
R14	22 Orchard Street	22.4	21.1	21.2	0.15	<i>Imperceptible</i>
R15	8 Orchard Street	22.4	21.0	21.2	0.18	<i>Imperceptible</i>
R16	2A Newport Road	32.3	27.7	27.8	0.06	<i>Imperceptible</i>
R17	11 Park Street	23.8	21.9	23.0	1.12	<i>Small</i>
R18	26 Friars Road	27.3	24.2	25.4	1.25	<i>Small</i>
R19	11 Friars Terrace	25.6	23.0	24.0	0.98	<i>Small</i>
R20	19 Chapel Terrace	25.0	23.0	22.4	-0.58	<i>Small</i>
R21	55 Friars Terrace_Front	23.8	21.8	22.3	0.47	<i>Small</i>
R22	55 Friars Terrace_Rear	23.4	21.6	21.9	0.31	<i>Imperceptible</i>
R23	1 Chapel Terrace	31.9	28.0	26.0	-1.97	<i>Small</i>
R24	93 Marston Road	23.9	21.0	21.4	0.45	<i>Small</i>
R25	63 Marston Road	26.4	22.5	23.2	0.72	<i>Small</i>
R26	18 Gaol Road	25.9	23.5	22.5	-1.00	<i>Small</i>
R27	Foregate Court closest facade	39.4	33.3	29.2	-4.08	<i>Large</i>
R28	14A County Road	24.8	22.7	21.8	-0.83	<i>Small</i>
R29	105 Co-operative Street	20.4	18.9	19.3	0.38	<i>Imperceptible</i>
R30	Eagle House(Flats)	42.6	35.1	34.9	-0.13	<i>Imperceptible</i>
R31	23 County Road	30.3	26.2	23.7	-2.45	<i>Medium</i>
R32	Glover Street Caravan Site-Front	24.2	22.2	21.1	-1.06	<i>Small</i>
R33	42 Lovatt Street	18.7	17.7	17.8	0.14	<i>Imperceptible</i>

Receptor ID	Name	2013 Base	2018 DN	2018 DS	Change	Magnitude of Change
R34	58A Foregate Street	35.1	29.5	28.5	-1.05	<i>Small</i>
R35	24 Lovatt Street	18.9	17.8	18.0	0.18	<i>Imperceptible</i>
R36	56 Rowley Street	22.4	19.8	20.6	0.77	<i>Small</i>
R37	8 George Street	19.8	18.4	18.7	0.30	<i>Imperceptible</i>
R38	23 Rowley Street	23.2	20.3	21.2	0.91	<i>Small</i>
R39	2 Fancy Walk	19.7	18.4	18.5	0.15	<i>Imperceptible</i>
R40	38 Broad Eye	28.6	24.7	23.0	-1.69	<i>Small</i>
R41	31 Broad Eye	39.0	32.5	26.0	-6.49	<i>Large</i>
R42	50 Foregate Street	34.3	29.1	29.7	0.54	<i>Small</i>
R43	29 Brunswick Terrace	19.6	18.8	18.8	0.05	<i>Imperceptible</i>
R44	Glover Street Caravan Site-Rear	21.4	20.2	20.2	0.00	<i>Imperceptible</i>
R45	Brunswick House(Flats)	21.8	20.5	20.2	-0.28	<i>Imperceptible</i>
R46	8 Castle Hill	28.7	24.9	24.1	-0.89	<i>Small</i>
R47	126 Newport Road	27.3	24.8	23.9	-0.86	<i>Small</i>
R48	2 Doxey Road	29.3	25.5	24.6	-0.96	<i>Small</i>
R49	10 Doxey Road	25.3	22.8	21.8	-1.01	<i>Small</i>
R50	1 Jerningham Street	27.7	24.4	21.2	-3.20	<i>Medium</i>
R51	46 North Castle Street	20.7	19.7	19.8	0.13	<i>Imperceptible</i>
R52	22 Newport Road	23.4	21.5	21.5	-0.03	<i>Imperceptible</i>
R53	8 North Castle Street	20.6	19.6	19.8	0.16	<i>Imperceptible</i>
R54	27 Doxey Road	28.1	24.7	22.0	-2.66	<i>Medium</i>
R55	15 Castle View	19.9	19.1	19.4	0.23	<i>Imperceptible</i>
R56	30 Rosewood Gardens	20.1	19.3	19.7	0.41	<i>Small</i>
R57	9 Spruce Way	22.2	20.7	21.8	1.13	<i>Small</i>
R58	12 Mansell Close	19.6	19.0	20.1	1.15	<i>Small</i>
R59	14 Rosewood Gardens	20.9	19.8	20.4	0.59	<i>Small</i>
R60	2 Rosewood Gardens	23.4	21.6	22.3	0.73	<i>Small</i>
R61	1 Castle Way	23.4	21.3	22.3	0.99	<i>Small</i>
R62	1 Mansell Close	18.7	19.0	19.1	0.08	<i>Imperceptible</i>
R63	22 Spruce Way	22.3	20.9	21.5	0.65	<i>Small</i>
R64	51 Newport Road	27.6	24.3	25.9	1.65	<i>Small</i>
R65	28 Christie Avenue	19.1	18.8	21.2	2.37	<i>Medium</i>
R66	7 Oakbrook Close	19.0	18.1	18.5	0.37	<i>Imperceptible</i>

Receptor ID	Name	2013 Base	2018 DN	2018 DS	Change	Magnitude of Change
R67	35 Mahogany Drive	20.4	19.7	19.8	0.14	<i>Imperceptible</i>
R68	4 Oakbrook Close	19.9	18.8	19.3	0.52	<i>Small</i>
R69	1 Boardman Crescent	18.4	18.1	18.5	0.45	<i>Small</i>
R70	22 Searle Avenue	18.5	19.5	19.2	-0.30	<i>Imperceptible</i>
R71	70 Newport Road	25.2	22.5	24.0	1.47	<i>Small</i>
R72	1 High Park	23.6	21.4	22.6	1.20	<i>Small</i>
R73	6 High Park	20.3	19.1	19.6	0.55	<i>Small</i>
R74	20 High Park	19.3	18.4	18.7	0.35	<i>Imperceptible</i>
R75	19 High Park	18.9	18.1	18.4	0.31	<i>Imperceptible</i>
R76	1 Castle House Drive	21.2	19.1	19.6	0.51	<i>Small</i>
R77	12 Denver Fold	33.3	29.0	29.6	0.52	<i>Small</i>
R78	7 Denver Fold	33.1	28.6	28.8	0.21	<i>Imperceptible</i>
R79	33 Liberty Park	35.8	30.2	30.6	0.33	<i>Imperceptible</i>
R80	Oak House	13.2	12.2	12.4	0.25	<i>Imperceptible</i>
R81	Villa Farm	14.9	13.1	13.6	0.48	<i>Small</i>
R82	Church House	14.7	12.8	13.3	0.52	<i>Small</i>
R83	Rose Cottage	15.1	13.3	13.1	-0.17	<i>Imperceptible</i>
R84	Oaklands	10.8	10.5	10.1	-0.37	<i>Imperceptible</i>
R85	Sunnyside	10.7	10.4	10.1	-0.33	<i>Imperceptible</i>
R86	Lambs Cottage	10.8	10.5	10.1	-0.39	<i>Imperceptible</i>
R87	Inverglyn	11.4	11.0	10.5	-0.48	<i>Small</i>
R88	Handfords cottage	12.9	12.3	11.9	-0.47	<i>Small</i>
R89	Latham Grove	13.5	12.5	12.1	-0.40	<i>Imperceptible</i>
R90	Presbrook House	13.8	12.9	12.6	-0.34	<i>Imperceptible</i>
R91	Sunnyside Farm	14.2	13.2	12.7	-0.42	<i>Small</i>
R92	Aston Farm	26.5	24.3	23.7	-0.56	<i>Small</i>
R93	96 Aston Bank	28.1	25.0	24.6	-0.39	<i>Imperceptible</i>
R94	144 Doxey Road	21.2	19.4	19.1	-0.30	<i>Imperceptible</i>
R95	120 Doxey Road	23.9	21.3	20.9	-0.42	<i>Small</i>
R96	262 Doxey Road	28.1	24.8	24.5	-0.34	<i>Imperceptible</i>
c1	Stafford college	25.8	23.0	22.2	-0.85	<i>Small</i>
c2	Stafford college-sports hall	27.7	24.1	23.1	-1.01	<i>Small</i>
c3	Stafford college-new build	32.5	27.7	26.3	-1.37	<i>Small</i>

Receptor ID	Name	2013 Base	2018 DN	2018 DS	Change	Magnitude of Change
P1	Planned residential property H22b East - 1	20.2	19.5	21.1	1.63	<i>Small</i>
P2	Planned residential property H22b East - 2	19.3	18.6	19.0	0.43	<i>Small</i>
P3	Planned residential property H22b East - 3	19.3	18.6	18.8	0.19	<i>Imperceptible</i>
P4	Planned residential property H22b West - 4	18.5	18.7	18.7	0.01	<i>Imperceptible</i>
P5	Planned residential property H22b West - 1	20.9	19.9	21.4	1.54	<i>Small</i>
P6	Planned residential property H22b West - 2	19.0	18.3	18.7	0.36	<i>Imperceptible</i>
P7	Planned residential property H22b West - 3	18.7	18.1	18.4	0.26	<i>Imperceptible</i>
P8	Planned residential property H22b West - 5	20.0	19.3	20.7	1.45	<i>Small</i>
P9	Planned residential property H22b West - 6	18.8	18.1	18.4	0.28	<i>Imperceptible</i>