

THE LONDON RESORT

The London Resort Development Consent Order

BC080001

Environmental Statement Volume 2: Appendices

Appendix 16.3 – Modelled Results at Human Receptors

Document reference: 6.2.16.3

Revision: 00

December 2020

Planning Act 2008

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

Regulation 5(2)(a)

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

Regulation 12(1)

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Appendix 16.3 Modelled Results at Human Receptors

Table 1- Modelled NO₂ results at existing human receptors

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN NO ₂ (µg/m ³)	2023 DS NO ₂ (µg/m ³)	% AQAL	Change (% of AQAL)	Impact	2024 DN NO ₂ (µg/m ³)	2024 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2029 DN NO ₂ (µg/m ³)	2029 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2038 DN NO ₂ (µg/m ³)	2038 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact
R1	1.5	29.5	29.5	74	0.1	Negligible	28.7	28.7	72	0.0	Negligible	24.9	24.9	62	0.0	Negligible	24.2	24.2	61	0.0	Negligible
R2	1.5	30.1	30.2	75	0.1	Negligible	29.3	29.3	73	0.1	Negligible	25.3	25.3	63	0.0	Negligible	24.5	24.5	61	0.1	Negligible
R3	1.5	29.4	29.4	74	0.1	Negligible	28.6	28.6	72	0.1	Negligible	24.9	24.9	62	0.0	Negligible	24.2	24.2	60	0.0	Negligible
R4	1.5	28.7	28.8	72	0.1	Negligible	27.6	27.7	69	0.1	Negligible	22.8	22.8	57	0.1	Negligible	21.8	21.8	54	0.0	Negligible
R5	1.5	30.1	30.1	75	0.1	Negligible	29.4	29.4	74	0.0	Negligible	40.4	40.4	101	0.2	Negligible	25.6	25.7	64	0.1	Negligible
R6	1.5	29.8	29.8	75	0.0	Negligible	29.0	29.0	73	0.0	Negligible	25.2	25.2	63	0.0	Negligible	26.0	26.0	65	0.0	Negligible
R7	1.5	28.5	28.5	71	0.0	Negligible	27.8	27.8	70	0.0	Negligible	24.4	24.4	61	0.0	Negligible	25.1	25.1	63	0.0	Negligible
R8	1.5	31.2	31.2	78	0.1	Negligible	30.3	30.3	76	0.0	Negligible	21.6	21.6	54	0.0	Negligible	24.0	24.1	60	0.1	Negligible
R9	1.5	32.6	32.6	82	0.1	Negligible	31.6	31.7	79	0.0	Negligible	22.5	22.5	56	0.0	Negligible	26.5	26.5	66	0.1	Negligible
R10	1.5	29.1	29.1	73	0.0	Negligible	29.0	29.0	72	0.0	Negligible	27.5	27.5	69	0.0	Negligible	27.6	27.6	69	0.1	Negligible
R11	1.5	29.8	29.8	75	0.1	Negligible	29.6	29.7	74	0.1	Negligible	27.6	27.6	69	0.0	Negligible	28.0	28.0	70	0.1	Negligible
R12	1.5	30.5	30.5	76	0.1	Negligible	30.2	30.3	76	0.1	Negligible	27.6	27.6	69	0.0	Negligible	28.3	28.4	71	0.1	Negligible
R13	1.5	25.2	25.2	63	0.1	Negligible	25.0	25.0	63	0.1	Negligible	22.3	22.3	56	0.0	Negligible	23.1	23.2	58	0.2	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN NO ₂ (µg/m ³)	2023 DS NO ₂ (µg/m ³)	% AQAL	Change (% of AQAL)	Impact	2024 DN NO ₂ (µg/m ³)	2024 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2029 DN NO ₂ (µg/m ³)	2029 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2038 DN NO ₂ (µg/m ³)	2038 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact
R14	1.5	20.2	20.2	50	0.0	Negligible	20.0	20.0	50	0.1	Negligible	18.6	18.6	47	0.1	Negligible	18.6	18.6	47	0.1	Negligible
R15	1.5	23.0	23.0	57	0.0	Negligible	22.7	22.7	57	0.1	Negligible	21.1	21.1	53	0.1	Negligible	21.1	21.1	53	0.2	Negligible
R16	1.5	27.8	27.9	70	0.1	Negligible	27.5	27.6	69	0.2	Negligible	24.4	24.4	61	0.0	Negligible	25.4	25.5	64	0.2	Negligible
R17	1.5	23.3	23.3	58	0.0	Negligible	22.9	23.0	57	0.2	Negligible	21.0	21.1	53	0.1	Negligible	21.0	21.1	53	0.2	Negligible
R18	1.5	28.6	28.7	72	0.1	Negligible	28.2	28.3	71	0.2	Negligible	24.4	24.4	61	0.0	Negligible	25.9	26.0	65	0.2	Negligible
R19	1.5	27.6	27.6	69	0.1	Negligible	27.3	27.3	68	0.2	Negligible	24.4	24.4	61	0.0	Negligible	25.3	25.4	63	0.2	Negligible
R20	1.5	24.6	24.6	62	0.0	Negligible	24.3	24.4	61	0.1	Negligible	22.4	22.4	56	0.1	Negligible	22.4	22.4	56	0.1	Negligible
R21	1.5	24.2	24.2	60	0.0	Negligible	23.9	24.0	60	0.1	Negligible	22.2	22.2	55	0.1	Negligible	22.1	22.1	55	0.0	Negligible
R22	1.5	28.3	28.3	71	0.0	Negligible	27.8	27.8	70	0.2	Negligible	25.1	25.2	63	0.2	Negligible	24.4	24.4	61	0.1	Negligible
R23	1.5	21.1	21.1	53	0.0	Negligible	20.8	20.9	52	0.0	Negligible	19.2	19.2	48	0.0	Negligible	19.0	19.0	47	0.1	Negligible
R24	1.5	25.0	25.0	63	0.0	Negligible	24.7	24.8	62	0.1	Negligible	22.6	22.7	57	0.1	Negligible	22.6	22.6	56	0.1	Negligible
R25	1.5	23.6	23.6	59	0.1	Negligible	23.4	23.4	59	0.1	Negligible	21.0	21.0	53	0.0	Negligible	21.6	21.7	54	0.1	Negligible
R26	1.5	23.5	23.5	59	0.1	Negligible	23.3	23.3	58	0.1	Negligible	21.0	21.0	53	0.0	Negligible	21.6	21.6	54	0.1	Negligible
R27	1.5	26.6	26.6	66	0.0	Negligible	26.1	26.1	65	0.1	Negligible	23.3	23.3	58	0.1	Negligible	23.3	23.3	58	0.1	Negligible
R28	1.5	26.8	26.9	67	0.1	Negligible	26.3	26.4	66	0.1	Negligible	23.6	23.6	59	0.1	Negligible	23.4	23.5	59	0.1	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN NO ₂ (µg/m ³)	2023 DS NO ₂ (µg/m ³)	% AQAL	Change (% of AQAL)	Impact	2024 DN NO ₂ (µg/m ³)	2024 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2029 DN NO ₂ (µg/m ³)	2029 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2038 DN NO ₂ (µg/m ³)	2038 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact
R29	1.5	34.4	34.4	86	0.1	Negligible	33.3	33.3	83	0.1	Negligible	25.3	25.3	63	0.1	Negligible	27.3	27.3	68	0.1	Negligible
R30	1.5	24.9	24.9	62	0.0	Negligible	24.5	24.6	62	0.2	Negligible	22.5	22.5	56	0.1	Negligible	22.6	22.6	56	0.1	Negligible
R31	1.5	35.4	35.4	89	0.1	Negligible	34.2	34.2	86	0.1	Negligible	28.5	28.5	71	0.1	Negligible	27.9	27.9	70	0.1	Negligible
R32	1.5	35.1	35.1	88	0.1	Negligible	33.9	33.9	85	0.1	Negligible	28.5	28.5	71	0.0	Negligible	28.0	28.0	70	0.1	Negligible
R33	1.5	40.3	40.4	101	0.4	Negligible	39.2	39.4	99	0.5	Slight	34.2	34.4	86	0.4	Negligible	33.6	33.8	85	0.6	Negligible
R34	1.5	24.1	24.2	61	0.4	Negligible	23.7	23.8	59	0.2	Negligible	21.3	21.4	54	0.1	Negligible	21.3	21.4	53	0.2	Negligible
R35	1.5	23.5	23.5	59	0.0	Negligible	23.3	23.4	58	0.2	Negligible	21.7	21.8	54	0.2	Negligible	21.4	21.5	54	0.2	Negligible
R36	1.5	24.3	24.4	61	0.3	Negligible	23.9	24.0	60	0.2	Negligible	21.3	21.4	53	0.1	Negligible	21.7	21.7	54	0.1	Negligible
R37	1.5	32.2	32.2	80	0.0	Negligible	31.4	31.4	79	0.1	Negligible	26.6	26.6	67	0.0	Negligible	27.1	27.2	68	0.0	Negligible
R38	1.5	36.6	36.6	92	0.0	Negligible	35.4	35.5	89	0.2	Negligible	24.3	24.3	61	0.0	Negligible	29.5	29.6	74	0.2	Negligible
R39	1.5	38.8	38.8	97	0.0	Negligible	37.5	37.6	94	0.3	Negligible	25.3	25.3	63	0.0	Negligible	31.2	31.3	78	0.1	Negligible
R40	1.5	33.9	34.0	85	0.2	Negligible	33.0	33.1	83	0.3	Negligible	27.4	27.4	68	0.1	Negligible	28.3	28.4	71	0.3	Negligible
R41	1.5	36.5	36.6	92	0.3	Negligible	35.4	35.6	89	0.4	Negligible	27.5	27.6	69	0.1	Negligible	29.5	29.7	74	0.4	Negligible
R42	1.5	32.5	32.6	81	0.1	Negligible	31.8	31.8	80	0.2	Negligible	27.5	27.6	69	0.2	Negligible	26.3	26.4	66	0.2	Negligible
R43	1.5	34.1	34.1	85	0.1	Negligible	33.2	33.3	83	0.3	Negligible	28.5	28.6	71	0.2	Negligible	27.1	27.2	68	0.2	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN NO ₂ (µg/m ³)	2023 DS NO ₂ (µg/m ³)	% AQAL	Change (% of AQAL)	Impact	2024 DN NO ₂ (µg/m ³)	2024 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2029 DN NO ₂ (µg/m ³)	2029 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2038 DN NO ₂ (µg/m ³)	2038 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact
R44	1.5	71.9	72.0	180	0.3	Negligible	69.3	69.4	174	0.3	Negligible	56.2	56.3	141	0.3	Negligible	52.0	52.1	130	0.4	Negligible
R45	1.5	39.2	39.2	98	0.1	Negligible	38.2	38.2	96	0.1	Negligible	33.3	33.3	83	0.0	Negligible	32.3	32.4	81	0.1	Negligible
R46	1.5	25.0	25.1	63	0.1	Negligible	24.3	24.4	61	0.2	Negligible	20.7	20.7	52	0.1	Negligible	20.5	20.6	52	0.2	Negligible
R47	1.5	32.2	32.2	81	0.1	Negligible	31.3	31.4	78	0.2	Negligible	30.0	30.1	75	0.3	Negligible	25.9	26.0	65	0.1	Negligible
R48	1.5	31.5	31.5	79	0.0	Negligible	30.6	30.7	77	0.2	Negligible	26.5	26.6	66	0.1	Negligible	25.5	25.6	64	0.2	Negligible
R49	1.5	34.5	34.5	86	0.0	Negligible	33.4	33.5	84	0.2	Negligible	34.4	34.4	86	0.1	Negligible	26.9	27.0	67	0.2	Negligible
R50	1.5	28.3	28.3	71	0.0	Negligible	27.7	27.8	69	0.1	Negligible	25.6	25.6	64	0.1	Negligible	24.1	24.1	60	0.0	Negligible
R51	1.5	37.3	37.4	93	0.3	Negligible	36.3	36.4	91	0.3	Negligible	31.4	31.5	79	0.3	Negligible	30.4	30.5	76	0.3	Negligible
R52	1.5	38.3	38.4	96	0.3	Negligible	37.2	37.3	93	0.4	Negligible	32.0	32.1	80	0.3	Negligible	30.9	31.0	78	0.4	Negligible
R53	1.5	32.3	32.3	81	0.1	Negligible	31.4	31.4	79	0.2	Negligible	31.0	31.1	78	0.2	Negligible	26.0	26.1	65	0.2	Negligible
R54	1.5	48.5	48.6	122	0.2	Negligible	46.8	46.9	117	0.3	Negligible	39.5	39.6	99	0.2	Negligible	36.8	36.9	92	0.3	Negligible
R55	1.5	46.8	46.8	117	0.1	Negligible	45.1	45.3	113	0.4	Negligible	40.8	40.9	102	0.2	Negligible	36.1	36.2	90	0.3	Negligible
R56	1.5	34.4	34.5	86	0.1	Negligible	33.6	33.7	84	0.1	Negligible	29.7	29.8	74	0.0	Negligible	29.4	29.4	73	0.0	Negligible
R57	1.5	46.8	46.8	117	0.1	Negligible	45.3	45.3	113	0.0	Negligible	37.4	37.4	94	0.1	Negligible	35.9	35.9	90	0.1	Negligible
R58	1.5	38.1	38.2	95	0.1	Negligible	37.1	37.1	93	0.1	Negligible	31.9	31.9	80	0.1	Negligible	31.1	31.1	78	0.1	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN NO ₂ (µg/m ³)	2023 DS NO ₂ (µg/m ³)	% AQAL	Change (% of AQAL)	Impact	2024 DN NO ₂ (µg/m ³)	2024 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2029 DN NO ₂ (µg/m ³)	2029 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2038 DN NO ₂ (µg/m ³)	2038 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact
R59	1.5	48.0	48.1	120	0.3	Negligible	46.3	46.4	116	0.2	Negligible	39.4	39.5	99	0.2	Negligible	36.8	36.9	92	0.2	Negligible
R60	1.5	44.7	44.8	112	0.3	Negligible	43.3	43.4	108	0.2	Negligible	37.2	37.2	93	0.2	Negligible	35.1	35.2	88	0.2	Negligible
R61	1.5	41.3	41.4	103	0.2	Negligible	40.1	40.1	100	0.1	Negligible	33.7	33.7	84	0.1	Negligible	32.4	32.4	81	0.1	Negligible
R62	1.5	32.7	32.7	82	0.0	Negligible	32.1	32.1	80	0.0	Negligible	28.8	28.8	72	0.0	Negligible	28.8	28.8	72	0.0	Negligible
R63	1.5	48.5	48.6	121	0.1	Negligible	46.8	46.9	117	0.2	Negligible	37.8	37.8	95	0.2	Negligible	36.0	36.1	90	0.2	Negligible
R64	1.5	62.5	62.6	156	0.2	Negligible	59.9	60.1	150	0.4	Negligible	46.6	46.7	117	0.3	Negligible	44.0	44.1	110	0.3	Negligible
R65	1.5	39.6	39.7	99	0.1	Negligible	38.6	38.7	97	0.2	Negligible	33.2	33.2	83	0.1	Negligible	32.2	32.3	81	0.2	Negligible
R66	1.5	43.1	43.1	108	0.1	Negligible	41.8	41.8	105	0.1	Negligible	35.2	35.3	88	0.1	Negligible	33.9	34.0	85	0.1	Negligible
R67	1.5	38.9	38.9	97	0.1	Negligible	37.9	38.0	95	0.3	Negligible	32.7	32.7	82	0.1	Negligible	31.8	31.9	80	0.2	Negligible
R68	1.5	54.3	54.4	136	0.2	Negligible	52.2	52.3	131	0.1	Negligible	41.1	41.2	103	0.3	Negligible	39.0	39.1	98	0.3	Negligible
R69	1.5	41.4	41.5	104	0.2	Negligible	40.2	40.3	101	0.2	Negligible	33.7	33.7	84	0.1	Negligible	32.4	32.5	81	0.2	Negligible
R70	1.5	59.2	59.4	148	0.4	Negligible	56.8	57.0	142	0.4	Negligible	44.1	44.2	111	0.3	Negligible	41.7	41.8	105	0.4	Negligible
R71	1.5	46.8	46.9	117	0.2	Negligible	45.2	45.3	113	0.3	Negligible	36.8	36.8	92	0.2	Negligible	35.2	35.2	88	0.1	Negligible
R72	1.5	40.7	40.8	102	0.2	Negligible	39.6	39.6	99	0.1	Negligible	33.3	33.3	83	0.1	Negligible	32.1	32.2	80	0.2	Negligible
R73	1.5	46.9	47.1	118	0.4	Negligible	45.5	45.5	114	0.0	Negligible	36.9	36.9	92	0.2	Negligible	35.3	35.3	88	0.2	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN NO ₂ (µg/m ³)	2023 DS NO ₂ (µg/m ³)	% AQAL	Change (% of AQAL)	Impact	2024 DN NO ₂ (µg/m ³)	2024 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2029 DN NO ₂ (µg/m ³)	2029 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2038 DN NO ₂ (µg/m ³)	2038 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact
R74	1.5	37.7	37.7	94	0.1	Negligible	36.8	36.9	92	0.2	Negligible	32.0	32.0	80	0.0	Negligible	31.2	31.3	78	0.2	Negligible
R75	1.5	42.9	42.9	107	0.0	Negligible	41.5	41.6	104	0.2	Negligible	34.4	34.5	86	0.2	Negligible	33.1	33.2	83	0.2	Negligible
R76	1.5	41.9	41.9	105	0.2	Negligible	40.6	40.7	102	0.2	Negligible	33.9	33.9	85	0.1	Negligible	32.6	32.7	82	0.2	Negligible
R77	1.5	35.8	35.8	90	0.1	Negligible	35.1	35.1	88	0.2	Negligible	31.4	31.5	79	0.0	Negligible	30.3	30.3	76	0.2	Negligible
R78	1.5	36.4	36.4	91	0.1	Negligible	35.2	35.2	88	0.0	Negligible	29.8	29.8	75	0.0	Negligible	29.6	29.6	74	0.0	Negligible
R79	1.5	35.8	35.8	90	0.1	Negligible	35.0	35.1	88	0.2	Negligible	31.9	31.9	80	0.0	Negligible	30.3	30.3	76	0.1	Negligible
R80	1.5	44.7	44.9	112	0.4	Negligible	43.2	43.4	109	0.5	Moderate	35.8	36.0	90	0.4	Negligible	34.6	34.8	87	0.4	Negligible
R81	1.5	45.5	45.6	114	0.4	Negligible	44.0	44.2	110	0.4	Negligible	36.3	36.5	91	0.4	Negligible	35.0	35.3	88	0.5	Negligible
R82	1.5	36.1	36.1	90	0.0	Negligible	35.3	35.3	88	0.2	Negligible	32.1	32.2	80	0.0	Negligible	30.4	30.4	76	0.1	Negligible
R83	1.5	41.4	41.4	104	0.0	Negligible	40.2	40.2	101	0.2	Negligible	35.8	35.8	90	0.1	Negligible	32.9	32.9	82	0.2	Negligible
R84	1.5	41.6	41.5	104	-0.2	Negligible	39.8	39.9	100	0.3	Negligible	31.0	31.1	78	0.2	Negligible	30.2	30.3	76	0.3	Negligible
R85	1.5	40.1	40.2	100	0.1	Negligible	38.7	38.8	97	0.1	Negligible	32.1	32.1	80	0.1	Negligible	31.3	31.4	79	0.2	Negligible
R86	1.5	37.9	37.9	95	0.1	Negligible	36.5	36.5	91	0.1	Negligible	29.7	29.8	74	0.1	Negligible	29.0	29.1	73	0.1	Negligible
R87	1.5	39.9	40.0	100	0.3	Negligible	38.4	38.5	96	0.2	Negligible	30.8	30.9	77	0.2	Negligible	30.1	30.1	75	0.2	Negligible
R88	1.5	38.2	38.2	96	0.1	Negligible	36.7	36.8	92	0.2	Negligible	29.9	29.9	75	0.1	Negligible	29.2	29.2	73	0.1	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN NO ₂ (µg/m ³)	2023 DS NO ₂ (µg/m ³)	% AQAL	Change (% of AQAL)	Impact	2024 DN NO ₂ (µg/m ³)	2024 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2029 DN NO ₂ (µg/m ³)	2029 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2038 DN NO ₂ (µg/m ³)	2038 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact
Priory Mews (C)	1.5	29.1	29.1	73	0.0	Negligible	28.4	28.5	71	0.1	Negligible	26.9	27.0	67	0.1	Negligible	24.6	24.6	62	0.1	Negligible
The Whitecroft(C)	1.5	25.8	25.8	65	0.0	Negligible	25.3	25.3	63	0.1	Negligible	23.4	23.4	58	0.1	Negligible	22.3	22.3	56	0.0	Negligible
Dartford East Health Centre(H)	1.5	39.3	39.3	98	0.1	Negligible	38.3	38.4	96	0.2	Negligible	33.3	33.4	83	0.1	Negligible	32.1	32.2	80	0.2	Negligible
Leigh Academy(S)	1.5	34.1	34.1	85	0.0	Negligible	33.4	33.5	84	0.1	Negligible	30.2	30.2	76	0.0	Negligible	29.5	29.5	74	0.0	Negligible
York Rd Junior(S)	1.5	25.0	25.0	63	0.0	Negligible	24.7	24.7	62	0.1	Negligible	22.6	22.6	57	0.0	Negligible	22.3	22.2	56	0.0	Negligible
Little Brook(H)	1.5	31.3	31.4	78	0.1	Negligible	30.9	30.9	77	0.0	Negligible	28.1	28.1	70	0.0	Negligible	27.5	27.6	69	0.1	Negligible
Darrent Valley(H)	1.5	25.9	26.0	65	0.0	Negligible	25.6	25.7	64	0.1	Negligible	23.8	23.9	60	0.1	Negligible	23.4	23.4	58	0.0	Negligible
Little Brook(S)	1.5	27.1	27.1	68	0.0	Negligible	26.7	26.8	67	0.0	Negligible	24.7	24.7	62	0.0	Negligible	24.1	24.1	60	0.0	Negligible
USP Campus(S)	1.5	22.1	22.1	55	0.0	Negligible	21.9	22.0	55	0.1	Negligible	20.5	20.5	51	0.1	Negligible	20.5	20.6	51	0.1	Negligible
Woodside Primary(S)	1.5	21.2	21.2	53	0.0	Negligible	21.1	21.1	53	0.1	Negligible	19.8	19.8	50	0.1	Negligible	19.7	19.7	49	0.1	Negligible
Treetop School(S)	1.5	22.8	22.8	57	0.0	Negligible	22.5	22.5	56	0.1	Negligible	20.7	20.8	52	0.1	Negligible	20.7	20.7	52	0.1	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN NO ₂ (µg/m ³)	2023 DS NO ₂ (µg/m ³)	% AQAL	Change (% of AQAL)	Impact	2024 DN NO ₂ (µg/m ³)	2024 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2029 DN NO ₂ (µg/m ³)	2029 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact	2038 DN NO ₂ (µg/m ³)	2038 DS NO ₂ (µg/m ³)	%AQAL	Change (% of AQAL)	Impact
Darrent Valley(H)	1.5	25.4	25.4	64	0.0	Negligible	25.1	25.1	63	0.1	Negligible	23.7	23.7	59	0.1	Negligible	22.8	22.8	57	0.0	Negligible
William Edwards School(S)	1.5	26.9	26.9	67	0.0	Negligible	26.4	26.5	66	0.1	Negligible	22.7	22.7	57	0.1	Negligible	23.7	23.7	59	0.1	Negligible
Springhead Rd	1.5	22.8	22.9	57	0.1	Negligible	22.5	22.6	57	0.3	Negligible	20.7	20.8	52	0.2	Negligible	20.5	20.6	52	0.2	Negligible
Stone Lodge 1	1.5	26.8	26.9	67	0.0	Negligible	26.5	26.5	66	0.0	Negligible	25.7	25.7	64	0.1	Negligible	24.0	24.0	60	0.0	Negligible
Stone Lodge 2	1.5	26.9	26.9	67	0.0	Negligible	26.6	26.6	66	0.0	Negligible	25.4	25.4	63	0.1	Negligible	24.0	24.0	60	0.0	Negligible
Stone Lodge 3	1.5	27.5	27.5	69	0.0	Negligible	27.1	27.1	68	0.0	Negligible	25.5	25.5	64	0.1	Negligible	24.3	24.3	61	0.0	Negligible
Springhead Rd	1.5	22.2	22.2	55	0.1	Negligible	21.9	22.0	55	0.3	Negligible	20.3	20.4	51	0.2	Negligible	20.2	20.3	51	0.3	Negligible
Eastern Q 1	1.5	31.0	31.1	78	0.1	Negligible	30.6	30.6	77	0.2	Negligible	28.1	28.1	70	0.1	Negligible	27.6	27.7	69	0.1	Negligible
Eastern Q 2	1.5	24.4	24.5	61	0.0	Negligible	23.9	24.0	60	0.1	Negligible	21.2	21.2	53	0.1	Negligible	21.1	21.1	53	0.1	Negligible
Thurrock Marsh 1	1.5	25.6	25.6	64	0.1	Negligible	25.1	25.2	63	0.2	Negligible	21.1	21.1	53	0.0	Negligible	22.7	22.8	57	0.2	Negligible
Thurrock Marsh 2	1.5	25.9	25.9	65	0.2	Negligible	25.4	25.5	64	0.3	Negligible	21.2	21.2	53	0.0	Negligible	22.9	23.0	57	0.3	Negligible
Lytton Rd 1	1.5	25.8	25.8	64	0.1	Negligible	25.2	25.4	63	0.3	Negligible	22.6	22.7	57	0.3	Negligible	22.9	23.0	58	0.4	Negligible
Lytton Rd 2	1.5	24.7	24.7	62	0.0	Negligible	24.3	24.4	61	0.3	Negligible	22.0	22.1	55	0.2	Negligible	22.2	22.3	56	0.3	Negligible
Springhead Rd	1.5	22.4	22.5	56	0.1	Negligible	22.2	22.3	56	0.3	Negligible	20.5	20.6	51	0.3	Negligible	20.4	20.5	51	0.3	Negligible

Table 2- Modelled PM10 results at existing human receptors

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM10 (µg/m³)	2023 DS PM10 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM10 (µg/m³)	2024 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM10 (µg/m³)	2029 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM10 (µg/m³)	2038 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R1	1.5	21.1	21.1	53	0.0	Negligible	21.1	21.1	53	0.0	Negligible	21.4	21.4	54	0.0	Negligible	21.4	21.4	54	0.0	Negligible
R2	1.5	21.3	21.3	53	0.0	Negligible	21.3	21.3	53	0.0	Negligible	21.6	21.6	54	0.0	Negligible	21.6	21.7	54	0.0	Negligible
R3	1.5	21.1	21.1	53	0.0	Negligible	21.1	21.1	53	0.0	Negligible	21.4	21.4	54	0.0	Negligible	21.4	21.4	53	0.0	Negligible
R4	1.5	20.1	20.1	50	0.0	Negligible	20.1	20.1	50	0.1	Negligible	20.5	20.5	51	0.0	Negligible	20.5	20.5	51	0.0	Negligible
R5	1.5	19.7	19.7	49	0.0	Negligible	19.7	19.7	49	0.0	Negligible	30.2	30.3	76	0.0	Negligible	19.9	19.9	50	0.0	Negligible
R6	1.5	21.5	21.5	54	0.0	Negligible	21.6	21.6	54	0.0	Negligible	21.5	21.5	54	0.0	Negligible	22.4	22.5	56	0.0	Negligible
R7	1.5	21.0	21.0	53	0.0	Negligible	21.1	21.1	53	0.0	Negligible	21	21	52	0.0	Negligible	21.8	21.8	55	0.0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM10 (µg/m³)	2023 DS PM10 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM10 (µg/m³)	2024 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM10 (µg/m³)	2029 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM10 (µg/m³)	2038 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R8	1.5	22.0	22.0	55	0.0	Negligible	22	22.1	55	0.0	Negligible	19.1	19.1	48	0.0	Negligible	20.9	20.9	52	0.0	Negligible
R9	1.5	22.5	22.5	56	0.0	Negligible	22.5	22.5	56	0.1	Negligible	19.3	19.3	48	0.0	Negligible	22.1	22.1	55	0.0	Negligible
R10	1.5	16.2	16.2	41	0.0	Negligible	16.2	16.2	41	0.0	Negligible	16	16	40	0.0	Negligible	16.2	16.2	41	0.0	Negligible
R11	1.5	16.5	16.5	41	0.0	Negligible	16.5	16.5	41	0.0	Negligible	16	16	40	0.0	Negligible	16.5	16.5	41	0.0	Negligible
R12	1.5	16.7	16.7	42	0.0	Negligible	16.7	16.7	42	0.0	Negligible	16.1	16.1	40	0.0	Negligible	16.8	16.8	42	0.0	Negligible
R13	1.5	17.3	17.3	43	0.0	Negligible	17.3	17.4	43	0.0	Negligible	16.6	16.6	42	0.0	Negligible	17.4	17.5	44	0.0	Negligible
R14	1.5	17.1	17.1	43	0.0	Negligible	17.1	17.1	43	0.0	Negligible	17.2	17.2	43	0.0	Negligible	17.4	17.4	44	0.0	Negligible
R15	1.5	18.9	18.9	47	0.0	Negligible	18.9	18.9	47	0.0	Negligible	19.1	19.1	48	0.0	Negligible	19.3	19.4	48	0.0	Negligible
R16	1.5	18.2	18.2	46	0.0	Negligible	18.2	18.2	46	0.1	Negligible	17.3	17.3	43	0.0	Negligible	18.3	18.4	46	0.0	Negligible
R17	1.5	18.8	18.8	47	0.0	Negligible	18.8	18.8	47	0.1	Negligible	19.1	19.1	48	0.0	Negligible	19.3	19.4	49	0.0	Negligible
R18	1.5	18.5	18.5	46	0.0	Negligible	18.5	18.5	46	0.1	Negligible	17.3	17.4	43	0.0	Negligible	18.6	18.7	47	0.0	Negligible
R19	1.5	18.1	18.1	45	0.0	Negligible	18.1	18.1	45	0.1	Negligible	17.3	17.3	43	0.0	Negligible	18.2	18.2	46	0.0	Negligible
R20	1.5	19.7	19.7	49	0.0	Negligible	19.7	19.7	49	0.0	Negligible	19.7	19.7	49	0.0	Negligible	19.8	19.8	50	0.0	Negligible
R21	1.5	19.6	19.6	49	0.0	Negligible	19.6	19.6	49	0.0	Negligible	19.5	19.5	49	0.0	Negligible	19.6	19.6	49	0.0	Negligible
R22	1.5	20.2	20.2	50	0.0	Negligible	20.2	20.2	51	0.1	Negligible	20.3	20.4	51	0.0	Negligible	20.1	20.2	51	0.0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM10 (µg/m³)	2023 DS PM10 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM10 (µg/m³)	2024 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM10 (µg/m³)	2029 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM10 (µg/m³)	2038 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R23	1.5	18.1	18.1	45	0.0	Negligible	18.1	18.1	45	0.0	Negligible	18	18.1	45	0.0	Negligible	18.1	18.1	45	0.0	Negligible
R24	1.5	19.8	19.8	50	0.0	Negligible	19.8	19.8	50	0.0	Negligible	19.8	19.8	50	0.0	Negligible	19.9	19.9	50	0.0	Negligible
R25	1.5	19.1	19.2	48	0.0	Negligible	19.2	19.2	48	0.0	Negligible	18.6	18.6	47	0.0	Negligible	19.2	19.3	48	0.0	Negligible
R26	1.5	19.1	19.1	48	0.0	Negligible	19.1	19.1	48	0.0	Negligible	18.6	18.6	47	0.0	Negligible	19.2	19.2	48	0.0	Negligible
R27	1.5	18.7	18.7	47	0.0	Negligible	18.7	18.7	47	0.0	Negligible	18.6	18.6	47	0.0	Negligible	18.8	18.9	47	0.0	Negligible
R28	1.5	18.7	18.7	47	0.0	Negligible	18.7	18.7	47	0.0	Negligible	18.6	18.7	47	0.0	Negligible	18.8	18.8	47	0.0	Negligible
R29	1.5	23.1	23.1	58	0.0	Negligible	23.1	23.1	58	0.0	Negligible	21.1	21.1	53	0.0	Negligible	22.7	22.8	57	0.0	Negligible
R30	1.5	18.2	18.2	45	0.0	Negligible	18.2	18.2	46	0.0	Negligible	18.1	18.1	45	0.0	Negligible	18.3	18.4	46	0.0	Negligible
R31	1.5	23.4	23.4	59	0.0	Negligible	23.5	23.5	59	0.0	Negligible	23	23	58	0.0	Negligible	23.1	23.1	58	0.0	Negligible
R32	1.5	23.1	23.1	58	0.0	Negligible	23.1	23.2	58	0.1	Negligible	22.8	22.9	57	0.0	Negligible	23	23.1	58	0.0	Negligible
R33	1.5	23	23.1	58	0.0	Negligible	23	23.1	58	0.2	Negligible	22.8	22.9	57	0.0	Negligible	22.9	23.1	58	0.0	Negligible
R34	1.5	18	18.1	45	0.0	Negligible	18	18	45	0.1	Negligible	17.9	18	45	0.0	Negligible	18.1	18.1	45	0.0	Negligible
R35	1.5	17.2	17.2	43	0.0	Negligible	17.2	17.2	43	0.1	Negligible	17.2	17.3	43	0.0	Negligible	17.2	17.3	43	0.0	Negligible
R36	1.5	18	18.1	45	0.0	Negligible	18.1	18.1	45	0.1	Negligible	17.9	17.9	45	0.0	Negligible	18.3	18.3	46	0.0	Negligible
R37	1.5	22	22	55	0.0	Negligible	22	22	55	0.0	Negligible	21.3	21.3	53	0.0	Negligible	22.4	22.4	56	0.0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM10 (µg/m³)	2023 DS PM10 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM10 (µg/m³)	2024 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM10 (µg/m³)	2029 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM10 (µg/m³)	2038 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R38	1.5	23.9	23.9	60	0.0	Negligible	24	24	60	0.1	Negligible	20	20	50	0.0	Negligible	24.6	24.6	62	0.0	Negligible
R39	1.5	24.1	24	60	0.0	Negligible	24.1	24.1	60	0.1	Negligible	19.6	19.6	49	0.0	Negligible	24.8	24.8	62	0.0	Negligible
R40	1.5	21.8	21.8	55	0.0	Negligible	21.8	21.8	55	0.1	Negligible	20.6	20.6	52	0.0	Negligible	21.6	21.6	54	0.0	Negligible
R41	1.5	22.8	22.8	57	0.0	Negligible	22.8	22.9	57	0.1	Negligible	20.7	20.7	52	0.0	Negligible	22.4	22.5	56	0.0	Negligible
R42	1.5	20.3	20.4	51	0.0	Negligible	20.4	20.4	51	0.0	Negligible	20.5	20.5	51	0.0	Negligible	20.4	20.4	51	0.0	Negligible
R43	1.5	20.6	20.6	52	0.0	Negligible	20.6	20.6	52	0.0	Negligible	20.8	20.8	52	0.0	Negligible	20.6	20.6	52	0.0	Negligible
R44	1.5	30.3	30.3	76	0.0	Negligible	30.3	30.4	76	0.0	Negligible	29.6	29.6	74	0.0	Negligible	28.7	28.7	72	0.0	Negligible
R45	1.5	22.1	22.1	55	0.0	Negligible	22.1	22.1	55	0.0	Negligible	22.3	22.3	56	0.0	Negligible	22.3	22.3	56	0.0	Negligible
R46	1.5	18.8	18.8	47	0.0	Negligible	18.8	18.8	47	0.0	Negligible	18.9	18.9	47	0.0	Negligible	19	19	48	0.0	Negligible
R47	1.5	21.9	21.9	55	0.0	Negligible	21.9	21.9	55	0.1	Negligible	24.6	24.7	62	0.0	Negligible	21.7	21.7	54	0.0	Negligible
R48	1.5	21.9	21.9	55	0.0	Negligible	21.9	21.9	55	0.1	Negligible	22.3	22.3	56	0.0	Negligible	21.7	21.7	54	0.0	Negligible
R49	1.5	22.5	22.5	56	0.0	Negligible	22.6	22.6	57	0.1	Negligible	27.6	27.6	69	0.0	Negligible	22.3	22.3	56	0.0	Negligible
R50	1.5	21	21	53	0.0	Negligible	21	21	53	0.0	Negligible	21.7	21.7	54	0.0	Negligible	20.9	20.9	52	0.0	Negligible
R51	1.5	22.5	22.5	56	0.0	Negligible	22.5	22.6	56	0.1	Negligible	22.3	22.4	56	0.0	Negligible	22.1	22.2	55	0.0	Negligible
R52	1.5	22.8	22.8	57	0.0	Negligible	22.8	22.9	57	0.1	Negligible	22.6	22.7	57	0.0	Negligible	22.4	22.5	56	0.0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM10 (µg/m³)	2023 DS PM10 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM10 (µg/m³)	2024 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM10 (µg/m³)	2029 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM10 (µg/m³)	2038 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R53	1.5	22	22	55	0.0	Negligible	22.1	22.1	55	0.1	Negligible	24.9	24.9	62	0.0	Negligible	21.9	21.9	55	0.0	Negligible
R54	1.5	25.6	25.6	64	0.0	Negligible	25.6	25.6	64	0.1	Negligible	25.3	25.3	63	0.0	Negligible	24.6	24.6	62	0.0	Negligible
R55	1.5	25.1	25.1	63	0.0	Negligible	25.1	25.2	63	0.1	Negligible	26.7	26.7	67	0.0	Negligible	24.4	24.5	61	0.0	Negligible
R56	1.5	21.4	21.4	53	0.0	Negligible	21.4	21.4	54	0.0	Negligible	21.3	21.4	53	0.0	Negligible	21.5	21.5	54	0.0	Negligible
R57	1.5	24.7	24.7	62	0.0	Negligible	24.7	24.7	62	0.1	Negligible	24.5	24.5	61	0.0	Negligible	24.2	24.2	61	0.0	Negligible
R58	1.5	23.3	23.3	58	0.0	Negligible	23.3	23.3	58	0.0	Negligible	23.2	23.2	58	0.0	Negligible	23.2	23.2	58	0.0	Negligible
R59	1.5	25.4	25.4	64	0.0	Negligible	25.4	25.4	64	0.0	Negligible	25.2	25.2	63	0.0	Negligible	24.6	24.6	62	0.0	Negligible
R60	1.5	24.5	24.5	61	0.0	Negligible	24.5	24.5	61	0.1	Negligible	24.3	24.4	61	0.0	Negligible	23.9	23.9	60	0.0	Negligible
R61	1.5	23.9	23.9	60	0.0	Negligible	23.9	23.9	60	0.1	Negligible	23.7	23.7	59	0.0	Negligible	23.5	23.5	59	0.0	Negligible
R62	1.5	20.9	20.9	52	0.0	Negligible	20.9	20.9	52	0.0	Negligible	20.9	21	52	0.0	Negligible	21.2	21.2	53	0.0	Negligible
R63	1.5	25.4	25.4	63	0.0	Negligible	25.4	25.4	63	0.0	Negligible	24.9	25	62	0.0	Negligible	24.5	24.5	61	0.0	Negligible
R64	1.5	28.4	28.5	71	0.0	Negligible	28.4	28.5	71	0.1	Negligible	27.8	27.8	70	0.0	Negligible	27.1	27.1	68	0.0	Negligible
R65	1.5	23.1	23.1	58	0.0	Negligible	23.2	23.2	58	0.1	Negligible	22.9	22.9	57	0.0	Negligible	22.8	22.9	57	0.0	Negligible
R66	1.5	23.7	23.7	59	0.0	Negligible	23.7	23.7	59	0.0	Negligible	23.6	23.6	59	0.0	Negligible	23.3	23.3	58	0.0	Negligible
R67	1.5	23	23	58	0.0	Negligible	23	23.1	58	0.1	Negligible	22.8	22.8	57	0.0	Negligible	22.7	22.8	57	0.0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM10 (µg/m³)	2023 DS PM10 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM10 (µg/m³)	2024 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM10 (µg/m³)	2029 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM10 (µg/m³)	2038 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R68	1.5	26.7	26.7	67	0.0	Negligible	26.7	26.7	67	0.0	Negligible	26.1	26.2	65	0.0	Negligible	25.6	25.6	64	0.0	Negligible
R69	1.5	23.7	23.7	59	0.0	Negligible	23.7	23.7	59	0.0	Negligible	23.4	23.4	59	0.0	Negligible	23.1	23.1	58	0.0	Negligible
R70	1.5	28	28	70	0.0	Negligible	28	28	70	0.1	Negligible	27.3	27.3	68	0.0	Negligible	26.6	26.6	67	0.0	Negligible
R71	1.5	24.9	24.9	62	0.0	Negligible	24.9	24.9	62	0.1	Negligible	24.5	24.6	61	0.0	Negligible	24.1	24.1	60	0.0	Negligible
R72	1.5	23.5	23.5	59	0.0	Negligible	23.5	23.5	59	0.0	Negligible	23.3	23.3	58	0.0	Negligible	23	23	58	0.0	Negligible
R73	1.5	24.9	25	62	0.0	Negligible	24.9	25	62	0.1	Negligible	24.6	24.6	61	0.0	Negligible	24.1	24.2	60	0.0	Negligible
R74	1.5	22.7	22.7	57	0.0	Negligible	22.7	22.8	57	0.1	Negligible	22.6	22.6	57	0.0	Negligible	22.5	22.6	56	0.0	Negligible
R75	1.5	24	24	60	0.0	Negligible	24	24	60	0.0	Negligible	23.7	23.7	59	0.0	Negligible	23.3	23.4	58	0.0	Negligible
R76	1.5	23.8	23.8	59	0.0	Negligible	23.8	23.8	59	0.0	Negligible	23.5	23.5	59	0.0	Negligible	23.2	23.2	58	0.0	Negligible
R77	1.5	22.2	22.2	56	0.0	Negligible	22.2	22.2	56	0.1	Negligible	22.4	22.4	56	0.0	Negligible	22	22.1	55	0.0	Negligible
R78	1.5	23	23.1	58	0.0	Negligible	23.1	23.1	58	0.0	Negligible	23.3	23.3	58	0.0	Negligible	23.7	23.7	59	0.0	Negligible
R79	1.5	22.2	22.2	56	0.0	Negligible	22.2	22.3	56	0.1	Negligible	22.8	22.8	57	0.0	Negligible	22.1	22.1	55	0.0	Negligible
R80	1.5	22.8	22.9	57	0.0	Negligible	22.8	22.9	57	0.1	Negligible	22.7	22.7	57	0.0	Negligible	22.7	22.7	57	0.0	Negligible
R81	1.5	23	23.1	58	0.0	Negligible	23	23.1	58	0.1	Negligible	22.9	22.9	57	0.0	Negligible	22.9	22.9	57	0.0	Negligible
R82	1.5	22.3	22.3	56	0.0	Negligible	22.4	22.4	56	0.1	Negligible	23.1	23.1	58	0.0	Negligible	22.2	22.2	56	0.0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM10 (µg/m³)	2023 DS PM10 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM10 (µg/m³)	2024 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM10 (µg/m³)	2029 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM10 (µg/m³)	2038 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R83	1.5	24	24	60	0.0	Negligible	24	24.1	60	0.1	Negligible	25.4	25.4	64	0.0	Negligible	23.7	23.8	60	0.0	Negligible
R84	1.5	22.2	22.2	56	0.0	Negligible	22.2	22.3	56	0.1	Negligible	22.2	22.2	56	0.0	Negligible	22.2	22.3	56	0.0	Negligible
R85	1.5	23.7	23.7	59	0.0	Negligible	23.7	23.7	59	0.0	Negligible	23.8	23.8	60	0.0	Negligible	23.9	24	60	0.0	Negligible
R86	1.5	23.5	23.5	59	0.0	Negligible	23.5	23.6	59	0.1	Negligible	23.6	23.7	59	0.0	Negligible	23.8	23.8	60	0.0	Negligible
R87	1.5	24.3	24.3	61	0.0	Negligible	24.3	24.3	61	0.1	Negligible	24.4	24.4	61	0.0	Negligible	24.6	24.6	62	0.0	Negligible
R88	1.5	23.6	23.7	59	0.0	Negligible	23.7	23.7	59	0.0	Negligible	23.8	23.8	60	0.0	Negligible	23.9	24	60	0.0	Negligible
Priory Mews (C)	1.5	21.1	21.1	53	0.0	Negligible	21.1	21.1	53	0.0	Negligible	22.1	22.1	55	0.0	Negligible	21	21	52	0.0	Negligible
The Whitecroft(C)	1.5	20	20	50	0.0	Negligible	20	20	50	0.0	Negligible	20.3	20.3	51	0.0	Negligible	20	20	50	0.0	Negligible
Dartford East Health Centre(H)	1.5	23	23	58	0.0	Negligible	23	23.1	58	0.1	Negligible	23	23	58	0.0	Negligible	22.7	22.7	57	0.0	Negligible
Leigh Academy(S)	1.5	21.9	21.9	55	0.0	Negligible	21.9	21.9	55	0.0	Negligible	21.9	21.9	55	0.0	Negligible	21.8	21.8	55	0.0	Negligible
York Rd Junior(S)	1.5	19	19	48	0.0	Negligible	19	19	48	0.0	Negligible	19	19	48	0.0	Negligible	19	19	47	0.0	Negligible
Little Brook(H)	1.5	21.6	21.6	54	0.0	Negligible	21.6	21.6	54	0.0	Negligible	21.5	21.5	54	0.0	Negligible	21.4	21.4	54	0.0	Negligible
Darrent Valley(H)	1.5	19	19	48	0.0	Negligible	19	19	48	0.0	Negligible	19.1	19.1	48	0.0	Negligible	19	19	47	0.0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM10 (µg/m³)	2023 DS PM10 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM10 (µg/m³)	2024 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM10 (µg/m³)	2029 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM10 (µg/m³)	2038 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
Little Brook(S)	1.5	19.3	19.3	48	0.0	Negligible	19.3	19.3	48	0.0	Negligible	19.3	19.3	48	0.0	Negligible	19.2	19.2	48	0.0	Negligible
USP Campus(S)	1.5	18.6	18.6	47	0.0	Negligible	18.6	18.6	47	0.0	Negligible	18.6	18.6	47	0.0	Negligible	18.8	18.8	47	0.0	Negligible
Woodside Primary(S)	1.5	18.1	18.1	45	0.0	Negligible	18.1	18.1	45	0.0	Negligible	18.1	18.2	45	0.0	Negligible	18.2	18.3	46	0.0	Negligible
Treetop School(S)	1.5	18.6	18.6	47	0.0	Negligible	18.6	18.6	47	0.0	Negligible	18.9	18.9	47	0.0	Negligible	19	19.1	48	0.0	Negligible
Darrent Valley(H)	1.5	20.2	20.2	51	0.0	Negligible	20.2	20.2	51	0.0	Negligible	20.5	20.5	51	0.0	Negligible	20.1	20.1	50	0.0	Negligible
William Edwards School(S)	1.5	20.1	20.1	50	0.0	Negligible	20.1	20.1	50	0.0	Negligible	19.2	19.2	48	0.0	Negligible	20.3	20.3	51	0.0	Negligible
Springhead Rd	1.5	17.6	17.6	44	0.0	Negligible	17.6	17.6	44	0.1	Negligible	17.5	17.6	44	0.0	Negligible	17.6	17.6	44	0.0	Negligible
Stone Lodge 1	1.5	19.3	19.3	48	0.0	Negligible	19.3	19.3	48	0.0	Negligible	19.8	19.8	50	0.0	Negligible	19.2	19.2	48	0.0	Negligible
Stone Lodge 2	1.5	19.3	19.3	48	0.0	Negligible	19.3	19.3	48	0.0	Negligible	19.7	19.7	49	0.0	Negligible	19.2	19.2	48	0.0	Negligible
Stone Lodge 3	1.5	19.4	19.5	49	0.0	Negligible	19.5	19.5	49	0.0	Negligible	19.8	19.8	50	0.0	Negligible	19.4	19.4	49	0.0	Negligible
Springhead Rd	1.5	17.4	17.4	44	0.0	Negligible	17.4	17.4	44	0.1	Negligible	17.3	17.4	44	0.0	Negligible	17.4	17.5	44	0.0	Negligible
Eastern Q 1	1.5	20.2	20.2	51	0.0	Negligible	20.2	20.2	51	0.1	Negligible	20.1	20.1	50	0.0	Negligible	20.1	20.1	50	0.0	Negligible
Eastern Q 2	1.5	19.5	19.5	49	0.0	Negligible	19.5	19.5	49	0.0	Negligible	19.3	19.4	48	0.0	Negligible	19.5	19.5	49	0.0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM10 (µg/m³)	2023 DS PM10 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM10 (µg/m³)	2024 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM10 (µg/m³)	2029 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM10 (µg/m³)	2038 DS PM10 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
Thurrock Marsh 1	1.5	19.8	19.9	50	0.0	Negligible	19.9	19.9	50	0.1	Negligible	18.7	18.7	47	0.0	Negligible	20	20.1	50	0.0	Negligible
Thurrock Marsh 2	1.5	20	20	50	0.0	Negligible	20	20	50	0.1	Negligible	18.7	18.7	47	0.0	Negligible	20.2	20.2	51	0.0	Negligible
Lytton Rd 1	1.5	19.9	19.9	50	0.0	Negligible	20	20	50	0.1	Negligible	20.4	20.5	51	0.0	Negligible	20.9	21	53	0.0	Negligible
Lytton Rd 2	1.5	19.5	19.6	49	0.0	Negligible	19.6	19.6	49	0.1	Negligible	19.9	19.9	50	0.0	Negligible	20.3	20.4	51	0.0	Negligible
Springhead Rd	1.5	17.5	17.5	44	0.0	Negligible	17.5	17.5	44	0.1	Negligible	17.4	17.5	44	0.0	Negligible	17.5	17.6	44	0.0	Negligible

Table 3- Modelled PM2.5 results at existing human receptors

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM2.5 (µg/m³)	2023 DS PM2.5 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM2.5 (µg/m³)	2024 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM2.5 (µg/m³)	2029 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM2.5 (µg/m³)	2038 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R1	1.5	13.9	13.9	56	0	Negligible	13.9	13.9	56	0	Negligible	14	14	56	0	Negligible	14	14	56	0	Negligible
R2	1.5	14.0	14.0	56	0	Negligible	14	14	56	0	Negligible	14.1	14.1	57	0	Negligible	14.1	14.1	57	0	Negligible
R3	1.5	13.9	13.9	55	0	Negligible	13.8	13.9	55	0	Negligible	14	14	56	0	Negligible	14	14	56	0	Negligible
R4	1.5	13.1	13.1	52	0.1	Negligible	13.1	13.1	52	0	Negligible	13.3	13.3	53	0	Negligible	13.3	13.3	53	0	Negligible
R5	1.5	12.8	12.8	51	0	Negligible	12.8	12.8	51	0	Negligible	18.5	18.5	74	0.1	Negligible	12.9	12.9	52	0	Negligible
R6	1.5	13.5	13.5	54	0	Negligible	13.5	13.5	54	0	Negligible	13.4	13.4	54	0	Negligible	13.9	13.9	56	0	Negligible
R7	1.5	13.2	13.2	53	0	Negligible	13.2	13.2	53	0	Negligible	13.1	13.1	53	0	Negligible	13.6	13.6	54	0	Negligible
R8	1.5	13.9	13.9	56	0	Negligible	13.9	13.9	56	0	Negligible	12.2	12.2	49	0	Negligible	13.2	13.2	53	0	Negligible
R9	1.5	14.2	14.3	57	0	Negligible	14.2	14.2	57	0	Negligible	12.5	12.5	50	0	Negligible	14	14	56	0	Negligible
R10	1.5	11.1	11.1	44	0	Negligible	11.1	11.1	44	0	Negligible	11	11	44	0	Negligible	11.1	11.1	44	0	Negligible
R11	1.5	11.2	11.2	45	0	Negligible	11.2	11.2	45	0	Negligible	11	11	44	0	Negligible	11.3	11.3	45	0.1	Negligible
R12	1.5	11.4	11.4	46	0	Negligible	11.4	11.4	46	0	Negligible	11	11	44	0	Negligible	11.4	11.4	46	0.1	Negligible
R13	1.5	11.8	11.8	47	0	Negligible	11.8	11.8	47	0	Negligible	11.4	11.4	46	0	Negligible	11.9	11.9	48	0.1	Negligible
R14	1.5	11.3	11.3	45	0	Negligible	11.3	11.3	45	0	Negligible	11.4	11.4	46	0	Negligible	11.5	11.5	46	0	Negligible
R15	1.5	12.3	12.3	49	0	Negligible	12.3	12.3	49	0	Negligible	12.4	12.4	50	0.1	Negligible	12.5	12.5	50	0.1	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM2.5 (µg/m³)	2023 DS PM2.5 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM2.5 (µg/m³)	2024 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM2.5 (µg/m³)	2029 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM2.5 (µg/m³)	2038 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R16	1.5	12	12	48	0	Negligible	12	12.1	48	0	Negligible	11.6	11.6	46	0	Negligible	12.1	12.1	49	0.1	Negligible
R17	1.5	12.4	12.4	49	0	Negligible	12.4	12.4	50	0	Negligible	12.5	12.5	50	0.1	Negligible	12.6	12.7	51	0.1	Negligible
R18	1.5	12.2	12.2	49	0	Negligible	12.2	12.2	49	0.1	Negligible	11.6	11.6	46	0	Negligible	12.3	12.3	49	0.1	Negligible
R19	1.5	12	12	48	0	Negligible	12	12	48	0.1	Negligible	11.6	11.6	46	0	Negligible	12	12.1	48	0.1	Negligible
R20	1.5	13.7	13.7	55	0	Negligible	13.7	13.7	55	0	Negligible	13.6	13.7	55	0	Negligible	13.7	13.7	55	0.1	Negligible
R21	1.5	13.6	13.6	54	0	Negligible	13.6	13.6	54	0	Negligible	13.6	13.6	54	0	Negligible	13.6	13.6	55	0	Negligible
R22	1.5	12.9	12.9	52	0	Negligible	12.9	12.9	52	0.1	Negligible	13	13	52	0.1	Negligible	12.9	12.9	52	0.1	Negligible
R23	1.5	11.6	11.6	46	0	Negligible	11.6	11.6	46	0	Negligible	11.6	11.6	46	0	Negligible	11.6	11.6	46	0	Negligible
R24	1.5	13.7	13.7	55	0	Negligible	13.7	13.8	55	0	Negligible	13.7	13.7	55	0	Negligible	13.8	13.8	55	0	Negligible
R25	1.5	12.2	12.2	49	0	Negligible	12.2	12.2	49	0	Negligible	11.9	11.9	48	0	Negligible	12.2	12.3	49	0.1	Negligible
R26	1.5	12.2	12.2	49	0	Negligible	12.2	12.2	49	0	Negligible	11.9	11.9	48	0	Negligible	12.2	12.2	49	0.1	Negligible
R27	1.5	12.5	12.5	50	0	Negligible	12.5	12.5	50	0	Negligible	12.4	12.4	50	0	Negligible	12.6	12.6	50	0	Negligible
R28	1.5	12.5	12.5	50	0	Negligible	12.5	12.5	50	0	Negligible	12.5	12.5	50	0	Negligible	12.5	12.5	50	0.1	Negligible
R29	1.5	14.9	14.9	60	0	Negligible	14.9	14.9	60	0	Negligible	13.8	13.8	55	0	Negligible	14.7	14.7	59	0.1	Negligible
R30	1.5	12.2	12.2	49	0	Negligible	12.2	12.2	49	0	Negligible	12.2	12.2	49	0.1	Negligible	12.3	12.3	49	0.1	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM2.5 (µg/m³)	2023 DS PM2.5 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM2.5 (µg/m³)	2024 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM2.5 (µg/m³)	2029 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM2.5 (µg/m³)	2038 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R31	1.5	15.1	15.1	60	0.1	Negligible	15.1	15.1	60	0	Negligible	14.8	14.8	59	0	Negligible	14.9	14.9	60	0.1	Negligible
R32	1.5	14.9	14.9	60	0	Negligible	14.9	14.9	60	0	Negligible	14.7	14.8	59	0	Negligible	14.8	14.9	59	0	Negligible
R33	1.5	14.4	14.4	58	0.2	Negligible	14.3	14.4	58	0.2	Negligible	14.2	14.3	57	0.2	Negligible	14.3	14.4	57	0.3	Negligible
R34	1.5	11.8	11.8	47	0.1	Negligible	11.8	11.8	47	0.1	Negligible	11.7	11.7	47	0.1	Negligible	11.8	11.8	47	0.1	Negligible
R35	1.5	11.6	11.6	46	0	Negligible	11.6	11.6	47	0.1	Negligible	11.6	11.6	47	0.1	Negligible	11.6	11.6	47	0.1	Negligible
R36	1.5	11.8	11.8	47	0.1	Negligible	11.8	11.8	47	0.1	Negligible	11.7	11.7	47	0.1	Negligible	11.9	11.9	48	0.1	Negligible
R37	1.5	14.2	14.2	57	0	Negligible	14.2	14.2	57	0	Negligible	13.8	13.8	55	0	Negligible	14.4	14.4	57	0	Negligible
R38	1.5	15.2	15.2	61	0	Negligible	15.3	15.3	61	0.1	Negligible	13.1	13.1	52	0	Negligible	15.5	15.6	62	0.1	Negligible
R39	1.5	15.3	15.3	61	0	Negligible	15.3	15.3	61	0.1	Negligible	12.9	12.9	52	0	Negligible	15.6	15.7	63	0.1	Negligible
R40	1.5	13.8	13.8	55	0.1	Negligible	13.8	13.8	55	0.1	Negligible	13.1	13.2	53	0	Negligible	13.7	13.7	55	0.1	Negligible
R41	1.5	14.4	14.4	58	0.1	Negligible	14.4	14.4	58	0.1	Negligible	13.2	13.2	53	0	Negligible	14.1	14.2	57	0.2	Negligible
R42	1.5	13.3	13.3	53	0	Negligible	13.3	13.3	53	0	Negligible	13.4	13.4	54	0	Negligible	13.3	13.3	53	0	Negligible
R43	1.5	13.5	13.5	54	0	Negligible	13.5	13.5	54	0	Negligible	13.6	13.6	54	0.1	Negligible	13.4	13.4	54	0	Negligible
R44	1.5	19.6	19.6	78	0	Negligible	19.6	19.6	78	0	Negligible	19.1	19.1	76	0.1	Negligible	18.5	18.5	74	0.1	Negligible
R45	1.5	14.4	14.4	58	0	Negligible	14.4	14.4	58	0	Negligible	14.5	14.5	58	0	Negligible	14.5	14.5	58	0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM2.5 (µg/m³)	2023 DS PM2.5 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM2.5 (µg/m³)	2024 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM2.5 (µg/m³)	2029 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM2.5 (µg/m³)	2038 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R46	1.5	11.9	11.9	48	0	Negligible	11.9	11.9	48	0	Negligible	11.9	11.9	48	0	Negligible	12	12	48	0	Negligible
R47	1.5	14.5	14.5	58	0	Negligible	14.5	14.6	58	0	Negligible	16	16	64	0.1	Negligible	14.4	14.4	58	0.1	Negligible
R48	1.5	14.5	14.5	58	0	Negligible	14.5	14.5	58	0	Negligible	14.7	14.7	59	0	Negligible	14.4	14.4	58	0.1	Negligible
R49	1.5	14.9	14.9	60	0	Negligible	14.9	14.9	60	0.1	Negligible	17.6	17.7	71	0.1	Negligible	14.7	14.8	59	0.1	Negligible
R50	1.5	14.1	14.1	56	0	Negligible	14.1	14.1	56	0	Negligible	14.4	14.4	58	0	Negligible	14	14	56	0	Negligible
R51	1.5	14.4	14.4	58	0.1	Negligible	14.4	14.4	58	0.1	Negligible	14.3	14.3	57	0.1	Negligible	14.2	14.2	57	0.2	Negligible
R52	1.5	14.6	14.6	58	0.1	Negligible	14.6	14.6	58	0.1	Negligible	14.5	14.5	58	0.1	Negligible	14.3	14.4	58	0.2	Negligible
R53	1.5	14.6	14.6	59	0	Negligible	14.6	14.6	59	0	Negligible	16.2	16.2	65	0.1	Negligible	14.5	14.5	58	0.1	Negligible
R54	1.5	16.9	17	68	0.1	Negligible	16.9	16.9	68	0.1	Negligible	16.7	16.7	67	0.1	Negligible	16.3	16.3	65	0.1	Negligible
R55	1.5	16.6	16.6	67	0	Negligible	16.6	16.6	67	0.1	Negligible	17.4	17.4	70	0.1	Negligible	16.2	16.2	65	0.1	Negligible
R56	1.5	14.2	14.2	57	0	Negligible	14.2	14.2	57	0	Negligible	14.1	14.1	57	0	Negligible	14.2	14.2	57	0	Negligible
R57	1.5	16.4	16.4	66	0	Negligible	16.4	16.4	66	0	Negligible	16.2	16.2	65	0	Negligible	16	16	64	0	Negligible
R58	1.5	15.4	15.4	62	0	Negligible	15.4	15.4	62	0	Negligible	15.3	15.3	61	0	Negligible	15.3	15.3	61	0	Negligible
R59	1.5	16.8	16.8	67	0.1	Negligible	16.8	16.8	67	0	Negligible	16.6	16.7	67	0.1	Negligible	16.3	16.3	65	0.1	Negligible
R60	1.5	16.3	16.3	65	0	Negligible	16.3	16.3	65	0	Negligible	16.1	16.1	65	0	Negligible	15.8	15.9	63	0.1	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM2.5 (µg/m³)	2023 DS PM2.5 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM2.5 (µg/m³)	2024 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM2.5 (µg/m³)	2029 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM2.5 (µg/m³)	2038 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R61	1.5	15.9	15.9	64	0	Negligible	15.8	15.9	63	0	Negligible	15.7	15.7	63	0	Negligible	15.6	15.6	62	0	Negligible
R62	1.5	13.9	13.9	56	0	Negligible	13.9	13.9	56	0	Negligible	13.9	13.9	56	0	Negligible	14	14	56	0	Negligible
R63	1.5	16.8	16.8	67	0.1	Negligible	16.8	16.8	67	0	Negligible	16.5	16.5	66	0.1	Negligible	16.2	16.2	65	0.1	Negligible
R64	1.5	18.8	18.8	75	0.1	Negligible	18.8	18.8	75	0	Negligible	18.3	18.3	73	0.1	Negligible	17.8	17.9	72	0.1	Negligible
R65	1.5	15.4	15.4	62	0	Negligible	15.4	15.4	62	0.1	Negligible	15.3	15.3	61	0	Negligible	15.2	15.2	61	0.1	Negligible
R66	1.5	15.8	15.8	63	0	Negligible	15.8	15.8	63	0	Negligible	15.7	15.7	63	0	Negligible	15.5	15.5	62	0	Negligible
R67	1.5	15.3	15.3	61	0	Negligible	15.3	15.3	61	0.1	Negligible	15.2	15.2	61	0	Negligible	15.1	15.2	61	0.1	Negligible
R68	1.5	17.7	17.7	71	0	Negligible	17.6	17.7	71	0	Negligible	17.2	17.2	69	0.1	Negligible	16.9	16.9	68	0.1	Negligible
R69	1.5	15.8	15.8	63	0	Negligible	15.7	15.8	63	0	Negligible	15.5	15.6	62	0	Negligible	15.4	15.4	62	0	Negligible
R70	1.5	18.5	18.5	74	0	Negligible	18.4	18.5	74	0	Negligible	17.9	18	72	0.1	Negligible	17.5	17.6	70	0.1	Negligible
R71	1.5	16.5	16.5	66	0.1	Negligible	16.5	16.5	66	0	Negligible	16.2	16.3	65	0.1	Negligible	16	16	64	0.1	Negligible
R72	1.5	15.7	15.7	63	0	Negligible	15.6	15.7	63	0	Negligible	15.5	15.5	62	0	Negligible	15.3	15.3	61	0	Negligible
R73	1.5	16.6	16.6	66	0.1	Negligible	16.5	16.5	66	0	Negligible	16.3	16.3	65	0.1	Negligible	16	16	64	0.1	Negligible
R74	1.5	15.2	15.2	61	0	Negligible	15.1	15.2	61	0.1	Negligible	15	15	60	0	Negligible	15	15	60	0.1	Negligible
R75	1.5	16	16	64	0	Negligible	15.9	15.9	64	0	Negligible	15.7	15.7	63	0	Negligible	15.5	15.5	62	0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM2.5 (µg/m³)	2023 DS PM2.5 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM2.5 (µg/m³)	2024 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM2.5 (µg/m³)	2029 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM2.5 (µg/m³)	2038 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
R76	1.5	15.8	15.8	63	0	Negligible	15.8	15.8	63	0	Negligible	15.6	15.6	62	0	Negligible	15.4	15.4	62	0	Negligible
R77	1.5	14.8	14.9	59	0	Negligible	14.8	14.9	59	0.1	Negligible	14.9	14.9	60	0	Negligible	14.7	14.7	59	0.1	Negligible
R78	1.5	14.8	14.8	59	0	Negligible	14.8	14.8	59	0	Negligible	14.9	14.9	60	0	Negligible	15.1	15.1	61	0	Negligible
R79	1.5	14.9	14.9	59	0	Negligible	14.9	14.9	60	0	Negligible	15.1	15.1	61	0	Negligible	14.7	14.8	59	0.1	Negligible
R80	1.5	14.8	14.8	59	0.1	Negligible	14.8	14.8	59	0.1	Negligible	14.7	14.7	59	0.1	Negligible	14.7	14.7	59	0.1	Negligible
R81	1.5	14.9	15	60	0.1	Negligible	14.9	15	60	0.1	Negligible	14.8	14.8	59	0.1	Negligible	14.8	14.8	59	0.1	Negligible
R82	1.5	14.9	14.9	60	0	Negligible	14.9	14.9	60	0.1	Negligible	15.3	15.3	61	0	Negligible	14.8	14.8	59	0.1	Negligible
R83	1.5	15.8	15.8	63	0	Negligible	15.8	15.9	63	0.1	Negligible	16.5	16.6	66	0	Negligible	15.6	15.7	63	0.1	Negligible
R84	1.5	14.8	14.8	59	0	Negligible	14.8	14.9	59	0.1	Negligible	14.8	14.8	59	0.1	Negligible	14.8	14.8	59	0.1	Negligible
R85	1.5	15.3	15.3	61	0	Negligible	15.3	15.3	61	0.1	Negligible	15.3	15.3	61	0.1	Negligible	15.4	15.4	62	0.1	Negligible
R86	1.5	15.2	15.2	61	0	Negligible	15.2	15.3	61	0.1	Negligible	15.2	15.3	61	0.1	Negligible	15.3	15.4	61	0.1	Negligible
R87	1.5	15.7	15.7	63	0	Negligible	15.7	15.7	63	0.1	Negligible	15.7	15.7	63	0.1	Negligible	15.8	15.8	63	0.1	Negligible
R88	1.5	15.3	15.3	61	0	Negligible	15.3	15.3	61	0.1	Negligible	15.3	15.3	61	0.1	Negligible	15.4	15.4	62	0.1	Negligible
Priory Mews (C)	1.5	14.1	14.1	57	0	Negligible	14.1	14.1	57	0	Negligible	14.7	14.7	59	0	Negligible	14	14	56	0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM2.5 (µg/m³)	2023 DS PM2.5 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM2.5 (µg/m³)	2024 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM2.5 (µg/m³)	2029 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM2.5 (µg/m³)	2038 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
The Whitecroft(C)	1.5	12.6	12.6	50	0	Negligible	12.6	12.6	50	0	Negligible	12.7	12.7	51	0	Negligible	12.6	12.6	50	0	Negligible
Dartford East Health Centre(H)	1.5	15.4	15.4	62	0	Negligible	15.4	15.4	62	0.1	Negligible	15.3	15.3	61	0	Negligible	15.1	15.1	61	0.1	Negligible
Leigh Academy(S)	1.5	14.6	14.6	59	0	Negligible	14.6	14.6	59	0	Negligible	14.6	14.7	59	0	Negligible	14.6	14.6	58	0	Negligible
York Rd Junior(S)	1.5	13	13	52	0	Negligible	13	13	52	0	Negligible	13	13	52	0	Negligible	12.9	12.9	52	0	Negligible
Little Brook(H)	1.5	14.4	14.4	58	0	Negligible	14.4	14.4	58	0	Negligible	14.4	14.4	58	0	Negligible	14.3	14.3	57	0	Negligible
Darrent Valley(H)	1.5	12.4	12.4	50	0	Negligible	12.4	12.4	50	0	Negligible	12.4	12.4	50	0	Negligible	12.3	12.4	49	0	Negligible
Little Brook(S)	1.5	12.8	12.8	51	0	Negligible	12.8	12.8	51	0	Negligible	12.8	12.8	51	0	Negligible	12.8	12.8	51	0	Negligible
USP Campus(S)	1.5	12.1	12.1	48	0	Negligible	12.1	12.1	48	0	Negligible	12.1	12.1	48	0	Negligible	12.2	12.2	49	0	Negligible
Woodside Primary(S)	1.5	12	12	48	0	Negligible	12	12	48	0	Negligible	12	12	48	0	Negligible	12	12.1	48	0	Negligible
Treetop School(S)	1.5	12.3	12.3	49	0	Negligible	12.3	12.3	49	0	Negligible	12.4	12.4	50	0.1	Negligible	12.5	12.5	50	0.1	Negligible
Darrent Valley(H)	1.5	13.6	13.6	54	0	Negligible	13.6	13.6	54	0	Negligible	13.8	13.8	55	0	Negligible	13.5	13.5	54	0	Negligible
William Edwards	1.5	13	13	52	0	Negligible	13	13	52	0	Negligible	12.5	12.5	50	0	Negligible	13.1	13.1	53	0	Negligible

Receptor	Height (m)	2023					2024					2029					2038				
		2023 DN PM2.5 (µg/m³)	2023 DS PM2.5 (µg/m³)	% AQAL	Change (% of AQAL)	Impact	2024 DN PM2.5 (µg/m³)	2024 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2029 DN PM2.5 (µg/m³)	2029 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact	2038 DN PM2.5 (µg/m³)	2038 DS PM2.5 (µg/m³)	%AQAL	Change (% of AQAL)	Impact
School(S)																					
Springhead Rd	1.5	11.5	11.6	46	0	Negligible	11.5	11.6	46	0.1	Negligible	11.5	11.5	46	0.1	Negligible	11.5	11.6	46	0.1	Negligible
Stone Lodge 1	1.5	12.8	12.8	51	0	Negligible	12.8	12.8	51	0	Negligible	13.1	13.1	53	0	Negligible	12.8	12.8	51	0	Negligible
Stone Lodge 2	1.5	12.8	12.8	51	0	Negligible	12.8	12.8	51	0	Negligible	13.1	13.1	52	0	Negligible	12.8	12.8	51	0	Negligible
Stone Lodge 3	1.5	12.9	12.9	52	0	Negligible	12.9	12.9	52	0	Negligible	13.1	13.1	53	0	Negligible	12.9	12.9	52	0	Negligible
Springhead Rd	1.5	11.4	11.4	46	0	Negligible	11.4	11.5	46	0.1	Negligible	11.4	11.4	46	0.1	Negligible	11.4	11.5	46	0.1	Negligible
Eastern Q 1	1.5	12.8	12.8	51	0	Negligible	12.8	12.8	51	0.1	Negligible	12.8	12.8	51	0.1	Negligible	12.7	12.8	51	0.1	Negligible
Eastern Q 2	1.5	12.3	12.3	49	0	Negligible	12.3	12.3	49	0	Negligible	12.2	12.2	49	0	Negligible	12.3	12.3	49	0.1	Negligible
Thurrock Marsh 1	1.5	12.6	12.6	50	0	Negligible	12.6	12.6	50	0.1	Negligible	11.9	11.9	48	0	Negligible	12.7	12.7	51	0.1	Negligible
Thurrock Marsh 2	1.5	12.7	12.7	51	0	Negligible	12.7	12.7	51	0.1	Negligible	11.9	11.9	48	0	Negligible	12.7	12.8	51	0.2	Negligible
Lytton Rd 1	1.5	12.8	12.8	51	0	Negligible	12.8	12.9	51	0.1	Negligible	13.1	13.1	52	0.1	Negligible	13.3	13.4	54	0.2	Negligible
Lytton Rd 2	1.5	12.6	12.6	51	0	Negligible	12.6	12.6	51	0.1	Negligible	12.8	12.8	51	0.1	Negligible	13	13.1	52	0.2	Negligible
Springhead Rd	1.5	11.5	11.5	46	0	Negligible	11.5	11.5	46	0.1	Negligible	11.4	11.5	46	0.1	Negligible	11.5	11.5	46	0.2	Negligible

Table 4- Modelled NO₂ results at proposed receptor locations

Receptor	Height (m)	Boiler NO ₂ Contribution (µg/m ³)	2024 Annual Mean Concentration (µg/m ³)			2029 Annual Mean Concentration (µg/m ³)			2038 Annual Mean Concentration (µg/m ³)		
			NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
Hotel	1.5	0.01	19.7	16.3	10.9	18.7	16.3	10.9	18.6	16.3	10.9
Hotel	3	0.01	19.7	16.3	10.9	18.7	16.3	10.9	18.6	16.3	10.9
Hotel	5	0.01	19.7	16.3	10.9	18.7	16.3	10.9	18.6	16.3	10.9
Hotel	10	0.01	19.6	16.3	10.9	18.6	16.3	10.9	18.6	16.3	10.9
Hotel	15	0.01	19.4	16.3	10.9	18.6	16.3	10.9	18.5	16.3	10.9
Hotel	20	0.01	19.3	16.3	10.9	18.5	16.3	10.9	18.4	16.3	10.9
SA1	1.5	0.01	22.2	16.3	10.9	19.5	16.3	10.9	19.9	16.3	10.9
SA1	3	0.01	21.8	16.3	10.9	19.4	16.3	10.9	19.8	16.3	10.9
SA1	5	0.01	21.2	16.3	10.9	19.2	16.3	10.9	19.5	16.3	10.9
SA1	10	0.01	20.2	16.3	10.9	18.9	16.3	10.9	18.9	16.3	10.9
SA1	15	0.01	19.7	16.3	10.9	18.8	16.3	10.9	18.7	16.3	10.9
SA1	20	0.01	19.5	16.3	10.9	18.7	16.3	10.9	18.6	16.3	10.9
SA2	1.5	0.01	21.7	16.3	10.9	19.3	16.3	10.9	19.7	16.3	10.9
SA2	3	0.01	21.4	16.3	10.9	19.3	16.3	10.9	19.5	16.3	10.9
SA2	5	0.01	20.9	16.3	10.9	19.1	16.3	10.9	19.3	16.3	10.9
SA2	10	0.01	20.0	16.3	10.9	18.9	16.3	10.9	18.9	16.3	10.9
SA2	15	0.01	19.6	16.3	10.9	18.8	16.3	10.9	18.7	16.3	10.9

Receptor	Height (m)	Boiler NO ₂ Contribution (µg/m ³)	2024 Annual Mean Concentration (µg/m ³)			2029 Annual Mean Concentration (µg/m ³)			2038 Annual Mean Concentration (µg/m ³)		
			NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
SA2	20	0.01	19.5	16.3	10.9	18.7	16.3	10.9	18.6	16.3	10.9
SA3	1.5	0.03	22.4	16.3	10.9	19.6	16.3	10.9	20.1	16.3	10.9
SA3	3	0.03	21.9	16.3	10.9	19.5	16.3	10.9	19.8	16.3	10.9
SA3	5	0.03	21.1	16.3	10.9	19.3	16.3	10.9	19.4	16.3	10.9
SA3	10	0.03	19.9	16.3	10.9	19.0	16.3	10.9	18.8	16.3	10.9
SA3	15	0.03	19.6	16.3	10.9	18.8	16.3	10.9	18.7	16.3	10.9
SA3	20	0.03	19.4	16.3	10.9	18.7	16.3	10.9	18.6	16.3	10.9
SA4	1.5	0.02	22.2	16.3	10.9	19.5	16.3	10.9	19.9	16.3	10.9
SA4	3	0.02	21.7	16.3	10.9	19.4	16.3	10.9	19.7	16.3	10.9
SA4	5	0.02	21.0	16.3	10.9	19.2	16.3	10.9	19.4	16.3	10.9
SA4	10	0.02	19.9	16.3	10.9	18.9	16.3	10.9	18.8	16.3	10.9
SA4	15	0.02	19.6	16.3	10.9	18.8	16.3	10.9	18.7	16.3	10.9
SA4	20	0.02	19.4	16.3	10.9	18.7	16.3	10.9	18.6	16.3	10.9
SA5	1.5	0.01	22.3	16.3	10.9	19.2	16.3	10.9	19.8	16.3	10.9
SA5	3	0.01	21.9	16.3	10.9	19.1	16.3	10.9	19.6	16.3	10.9
SA5	5	0.01	21.2	16.3	10.9	18.9	16.3	10.9	19.3	16.3	10.9
SA5	10	0.01	19.9	16.3	10.9	18.6	16.3	10.9	18.6	16.3	10.9
SA5	15	0.01	19.3	16.3	10.9	18.5	16.3	10.9	18.4	16.3	10.9
SA5	20	0.01	19.1	16.3	10.9	18.4	16.3	10.9	18.2	16.3	10.9
SA6	1.5	0.01	22.0	16.3	10.9	19.4	16.3	10.9	19.8	16.3	10.9
SA6	3	0.01	21.6	16.3	10.9	19.3	16.3	10.9	19.7	16.3	10.9
SA6	5	0.01	21.1	16.3	10.9	19.2	16.3	10.9	19.4	16.3	10.9
SA6	10	0.01	20.1	16.3	10.9	18.9	16.3	10.9	18.9	16.3	10.9
SA6	15	0.01	19.7	16.3	10.9	18.8	16.3	10.9	18.7	16.3	10.9
SA6	20	0.01	19.5	16.3	10.9	18.7	16.3	10.9	18.6	16.3	10.9
SA7	3	0.01	21.5	16.3	10.9	19.3	16.3	10.9	19.6	16.3	10.9
SA7	5	0.01	20.9	16.3	10.9	19.1	16.3	10.9	19.3	16.3	10.9

Receptor	Height (m)	Boiler NO ₂ Contribution (µg/m ³)	2024 Annual Mean Concentration (µg/m ³)			2029 Annual Mean Concentration (µg/m ³)			2038 Annual Mean Concentration (µg/m ³)		
			NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
SA7	10	0.01	20.0	16.3	10.9	18.9	16.3	10.9	18.9	16.3	10.9
SA7	15	0.01	19.6	16.3	10.9	18.8	16.3	10.9	18.7	16.3	10.9
SA7	20	0.01	19.5	16.3	10.9	18.7	16.3	10.9	18.6	16.3	10.9