

APPENDIX 11.6

MODELLING OPERATIONAL

Appendix 11.6- Opening year modelled concentrations at existing receptor locations.

Table 1- NO₂ Annual Mean Concentrations for opening year (2026) operational and baseline scenarios

Receptor	X	Y	2026 Baseline	2026 Operational	Percentage Change	% of AQAL	IAQM Impact Descriptor
R1	516155	177401	35.3	34.8	-1	87	Negligible
R2	516034	177348	32.4	32.3	0	81	Negligible
R3	516161	177367	39.1	38.9	-1	97	Negligible
R4	516038	177298	33.3	33.2	0	83	Negligible
R5	516304	177296	33.1	33.0	0	82	Negligible
R6	516376	177237	30.6	30.6	0	76	Negligible
R7	516491	177207	31.1	31.0	0	77	Negligible
R8	516541	177088	29.9	29.9	0	75	Negligible
R9	516532	176912	31.7	31.5	0	79	Negligible
R10	516384	176799	24.7	24.6	0	62	Negligible
R11	516517	176686	29.2	29.2	0	73	Negligible
R12	516676	176951	26.1	26.0	0	65	Negligible

Table 2 - PM₁₀ Annual Mean Concentrations for opening year (2026) operational and baseline scenarios

Receptor	X	Y	2026 Baseline	2026 Operational	Percentage Change	% of AQAL	IAQM Impact Descriptor
R1	516155	177401	21.5	21.3	-1	53	Negligible
R2	516034	177348	21.1	21.1	0	53	Negligible
R3	516161	177367	22.0	21.9	0	55	Negligible
R4	516038	177298	21.6	21.5	0	54	Negligible
R5	516304	177296	20.7	20.6	0	52	Negligible
R6	516376	177237	20.0	19.9	0	50	Negligible
R7	516491	177207	20.3	20.3	0	51	Negligible
R8	516541	177088	19.9	19.9	0	50	Negligible
R9	516532	176912	19.7	19.6	0	49	Negligible
R10	516384	176799	17.3	17.3	0	43	Negligible
R11	516517	176686	18.9	18.9	0	47	Negligible
R12	516676	176951	17.8	17.8	0	45	Negligible

Table 3 – PM_{2.5} Annual Mean Concentrations for opening year (2026) operational and baseline scenarios

Receptor	X	Y	2026 Baseline	2026 Operational	Percentage Change	% of AQAL	IAQM Impact Descriptor
R1	516155	177401	15.1	15.0	0	60	Negligible
R2	516034	177348	14.9	14.8	0	59	Negligible
R3	516161	177367	15.4	15.3	0	61	Negligible
R4	516038	177298	15.1	15.1	0	60	Negligible
R5	516304	177296	14.6	14.6	0	58	Negligible
R6	516376	177237	14.2	14.2	0	57	Negligible
R7	516491	177207	14.4	14.4	0	57	Negligible
R8	516541	177088	14.2	14.2	0	57	Negligible
R9	516532	176912	13.3	13.3	0	53	Negligible
R10	516384	176799	12.0	12.0	0	48	Negligible
R11	516517	176686	12.9	12.9	0	52	Negligible
R12	516676	176951	12.3	12.3	0	49	Negligible