OXFORDSHIRE
STRATEGIC RAIL FREIGHT INTERCHANGE

DCO Submission

Environmental Statement

Chapter 4: Air Quality and Odour
Appendix 4.5: Air Quality Modelling Results And Odour Survey Results

Document 6.4E

On behalf of
Oxfordshire Railfreight Limited

Prepared by Phlorum
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Appendix 4.5: Air Quality Modelling Results and Odour Survey Results

Human Results Tables

2024 Baseline vs 2028 Peak Construction Phase Traffic

Table 4.5.1: Predicted NO_2 Concentration Changes due to 2028 Peak Construction Traffic

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R1	11.4	14.7	14.9	0.2	0.52	Negligible
R2	9.9	14.2	14.6	0.4	0.92	Negligible
R3	9.9	12.5	12.6	0.1	0.27	Negligible
R4	9.9	13.3	13.5	0.2	0.43	Negligible
R5	9.9	14.7	15.1	0.3	0.80	Negligible
R6	9.9	15.2	15.5	0.3	0.70	Negligible
R7	5.7	6.4	6.4	0.0	0.00	Negligible
R8	5.7	11.0	11.0	0.0	0.00	Negligible
R9	5.2	12.6	12.6	0.0	0.00	Negligible
R10	5.2	8.1	8.1	0.0	0.00	Negligible
R11	5.3	13.3	13.3	0.0	0.00	Negligible
R12	5.6	21.9	21.9	0.0	0.00	Negligible
R13	5.6	19.1	19.1	0.0	0.00	Negligible
R14	5.6	26.2	26.2	0.0	0.00	Negligible
R15	5.6	24.8	24.8	0.0	0.00	Negligible
R16	5.6	14.4	14.4	0.0	0.00	Negligible
R17	5.3	10.9	10.9	0.0	0.00	Negligible
R18	9.9	12.6	12.6	0.0	0.05	Negligible
R19	6.8	8.5	8.5	0.0	0.00	Negligible
R20	5.9	10.8	10.8	0.0	0.00	Negligible
R21	5.9	11.7	11.7	0.0	0.00	Negligible
R22	5.9	11.3	11.3	0.0	0.02	Negligible
R23	5.8	10.7	10.7	0.0	0.02	Negligible
R24	5.6	9.0	9.0	0.0	0.00	Negligible
R25	5.6	8.6	8.6	0.0	0.02	Negligible
R26	5.6	6.6	6.6	0.0	0.00	Negligible

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R27	5.5	6.7	6.7	0.0	0.00	Negligible
R28	6.3	16.4	16.4	0.0	0.00	Negligible
R29	6.3	21.0	21.0	0.0	0.00	Negligible
R30	6.3	22.8	22.8	0.0	0.00	Negligible
R31	6.3	14.5	14.5	0.0	0.00	Negligible
R32	6.5	13.1	13.1	0.0	0.00	Negligible
R33	6.7	14.7	14.7	0.0	0.00	Negligible
R34	6.7	12.9	12.9	0.0	0.00	Negligible
R35	6.7	14.3	14.3	0.0	0.00	Negligible
R36	6.7	14.7	14.7	0.0	0.00	Negligible
R37	7.2	15.0	15.0	0.0	0.00	Negligible
R38	7.2	15.6	15.6	0.0	0.00	Negligible
R39	7.2	17.5	17.5	0.0	0.03	Negligible
R40	7.8	32.5	32.5	0.0	0.00	Negligible
R41	7.8	25.3	25.3	0.0	0.00	Negligible
R42	7.8	22.7	22.7	0.0	0.00	Negligible
R43	7.2	10.6	10.6	0.0	0.00	Negligible
R44	7.2	11.4	11.4	0.0	0.00	Negligible
R45	7.4	13.3	13.3	0.0	0.00	Negligible
R46	7.0	18.6	18.6	0.0	0.00	Negligible
R47	7.0	14.5	14.5	0.0	0.00	Negligible
R48	6.3	10.9	10.9	0.0	0.03	Negligible
R49	7.1	9.8	9.8	0.0	0.03	Negligible
R50	7.1	11.0	11.0	0.0	0.02	Negligible
R51	6.2	8.2	8.2	0.0	0.03	Negligible
R52	6.1	11.1	11.1	0.0	0.00	Negligible
R53	9.9	19.7	19.7	0.0	0.07	Negligible
R54	9.9	27.7	27.8	0.0	0.10	Negligible
R55	7.3	17.5	17.5	0.0	0.08	Negligible
R56	7.0	27.1	27.2	0.1	0.23	Negligible
R57	6.6	24.0	24.0	0.0	0.00	Negligible
R58	5.8	13.5	13.5	0.0	0.00	Negligible
R59	5.9	14.5	14.5	0.0	0.00	Negligible
R60	6.2	19.6	19.6	0.0	0.00	Negligible
R61	5.8	16.0	16.0	0.0	0.00	Negligible
R62	5.7	13.7	13.7	0.0	0.00	Negligible

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R63	5.9	16.8	16.8	0.0	0.00	Negligible
R64	6.7	14.8	14.8	0.0	0.00	Negligible
R65	8.2	11.4	11.4	0.0	0.00	Negligible
R66	10.0	22.6	22.6	0.0	0.00	Negligible
R67	7.4	22.3	22.3	0.0	0.00	Negligible
R68	7.3	21.2	21.2	0.0	0.00	Negligible
R69	6.7	17.4	17.4	0.0	0.00	Negligible
R70	6.9	14.3	14.3	0.0	0.00	Negligible
R71	6.5	13.4	13.4	0.0	0.00	Negligible
R72	6.4	13.2	13.2	0.0	0.00	Negligible
R73	6.0	9.3	9.3	0.0	0.00	Negligible
R74	5.9	9.2	9.2	0.0	0.00	Negligible
R75	5.8	7.8	7.8	0.0	0.00	Negligible
R76	6.7	12.2	12.2	0.0	0.00	Negligible
R77	6.7	10.9	10.9	0.0	0.00	Negligible
R78	8.2	16.1	16.1	0.0	0.00	Negligible
R79	8.2	18.8	18.8	0.0	0.00	Negligible
R80	7.0	31.5	31.5	0.0	0.00	Negligible
R81	6.4	12.2	12.2	0.0	0.00	Negligible
R82	6.2	14.1	14.1	0.0	0.00	Negligible
R83	6.2	10.4	10.4	0.0	0.00	Negligible
R84	6.4	13.2	13.2	0.0	0.00	Negligible
R85	7.9	13.9	13.9	0.0	0.00	Negligible
R86	6.4	10.9	10.9	0.0	0.00	Negligible
R87	6.4	14.6	14.6	0.0	0.00	Negligible
R88	6.5	9.9	9.9	0.0	0.00	Negligible
R89	7.2	8.8	8.8	0.0	0.00	Negligible
R90	8.0	44.9	44.9	0.0	0.00	Negligible
R91	5.8	11.9	11.9	0.0	0.00	Negligible
R92	6.4	10.3	10.3	0.0	0.00	Negligible
R93	11.7	38.1	38.1	0.0	0.00	Negligible
R94	11.7	31.9	31.9	0.0	0.00	Negligible
R95	8.0	21.8	21.8	0.0	0.00	Negligible
R96	8.0	16.8	16.8	0.0	0.00	Negligible
R97	8.9	23.2	23.2	0.0	0.00	Negligible
R98	8.5	14.1	14.1	0.0	0.00	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R99	12.5	18.5	18.5	0.0	0.00	Negligible
R100	12.5	24.4	24.4	0.0	0.00	Negligible
R101	10.8	18.4	18.4	0.0	0.00	Negligible
R102	12.5	16.2	16.2	0.0	0.00	Negligible
R103	12.5	15.4	15.4	0.0	0.00	Negligible
R104	8.5	14.1	14.1	0.0	0.00	Negligible
R105	7.7	13.6	13.6	0.0	0.00	Negligible
R106	9.3	14.7	14.7	0.0	0.00	Negligible
R107	9.3	15.3	15.3	0.0	0.00	Negligible
R108	10.0	18.4	18.4	0.0	0.00	Negligible
R109	10.0	23.6	23.6	0.0	0.00	Negligible
R110	10.0	16.6	16.6	0.0	0.00	Negligible

Table 4.5.2: Predicted PM_{10} Concentration Changes due to 2028 Peak Construction Traffic

Receptor ID	Annual Mean PM_{10} Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R1	15.8	16.5	16.6	0.0	0.12	Negligible
R2	14.8	16.0	16.1	0.1	0.24	Negligible
R3	14.8	15.5	15.5	0.0	0.08	Negligible
R4	14.8	15.7	15.8	0.0	0.12	Negligible
R5	14.8	16.2	16.3	0.1	0.25	Negligible
R6	14.8	16.3	16.4	0.1	0.21	Negligible
R7	13.0	13.1	13.1	0.0	0.00	Negligible
R8	11.2	12.8	12.8	0.0	0.00	Negligible
R9	11.6	14.0	14.0	0.0	0.00	Negligible
R10	11.6	12.5	12.5	0.0	0.00	Negligible
R11	12.1	14.1	14.1	0.0	0.00	Negligible
R12	11.7	17.5	17.5	0.0	0.00	Negligible
R13	11.7	16.4	16.4	0.0	0.00	Negligible
R14	11.7	19.4	19.4	0.0	0.00	Negligible
R15	11.7	18.8	18.8	0.0	0.00	Negligible
R16	11.7	14.6	14.6	0.0	0.00	Negligible
R17	12.1	13.5	13.5	0.0	0.00	Negligible
R18	14.8	15.5	15.5	0.0	0.01	Negligible
R19	13.0	13.5	13.5	0.0	0.00	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R20	11.7	12.9	12.9	0.0	0.00	Negligible
R21	11.7	13.1	13.1	0.0	0.00	Negligible
R22	12.2	13.9	13.9	0.0	0.00	Negligible
R23	12.4	13.9	13.9	0.0	0.00	Negligible
R24	12.3	13.3	13.3	0.0	0.00	Negligible
R25	12.3	13.2	13.2	0.0	0.00	Negligible
R26	12.3	12.5	12.5	0.0	0.00	Negligible
R27	11.9	12.2	12.2	0.0	0.00	Negligible
R28	12.0	14.7	14.7	0.0	0.00	Negligible
R29	12.0	16.2	16.2	0.0	0.00	Negligible
R30	12.0	16.3	16.3	0.0	0.00	Negligible
R31	12.0	14.2	14.2	0.0	0.00	Negligible
R32	12.6	14.2	14.2	0.0	0.00	Negligible
R33	12.4	14.7	14.7	0.0	0.00	Negligible
R34	12.4	13.9	13.9	0.0	0.00	Negligible
R35	12.4	14.8	14.8	0.0	0.00	Negligible
R36	12.4	14.9	14.9	0.0	0.00	Negligible
R37	12.6	15.2	15.2	0.0	0.00	Negligible
R38	12.6	15.4	15.4	0.0	0.00	Negligible
R39	12.6	16.1	16.1	0.0	0.00	Negligible
R40	12.4	21.8	21.8	0.0	0.00	Negligible
R41	12.4	18.0	18.0	0.0	0.00	Negligible
R42	12.4	17.1	17.1	0.0	0.00	Negligible
R43	12.4	13.4	13.4	0.0	0.00	Negligible
R44	12.4	13.6	13.6	0.0	0.00	Negligible
R45	12.5	14.4	14.4	0.0	0.00	Negligible
R46	12.2	15.9	15.9	0.0	0.00	Negligible
R47	12.2	14.5	14.5	0.0	0.00	Negligible
R48	12.9	14.1	14.1	0.0	0.00	Negligible
R49	13.1	13.7	13.7	0.0	0.01	Negligible
R50	13.1	14.1	14.1	0.0	0.00	Negligible
R51	12.6	13.1	13.1	0.0	0.00	Negligible
R52	12.2	13.3	13.3	0.0	0.00	Negligible
R53	14.8	17.1	17.1	0.0	0.04	Negligible
R54	14.8	19.2	19.2	0.0	0.06	Negligible
R55	14.1	16.6	16.6	0.0	0.02	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R56	14.4	18.6	18.6	0.0	0.05	Negligible
R57	14.0	18.4	18.4	0.0	0.00	Negligible
R58	12.6	14.3	14.3	0.0	0.00	Negligible
R59	12.1	14.0	14.0	0.0	0.00	Negligible
R60	11.4	13.8	13.8	0.0	0.00	Negligible
R61	12.0	15.1	15.1	0.0	0.00	Negligible
R62	11.8	14.2	14.2	0.0	0.00	Negligible
R63	11.7	14.6	14.6	0.0	0.00	Negligible
R64	11.3	13.7	13.7	0.0	0.00	Negligible
R65	14.7	15.5	15.5	0.0	0.00	Negligible
R66	14.8	18.6	18.6	0.0	0.00	Negligible
R67	12.6	16.1	16.1	0.0	0.00	Negligible
R68	12.3	16.8	16.8	0.0	0.00	Negligible
R69	12.5	15.2	15.2	0.0	0.00	Negligible
R70	12.6	14.3	14.3	0.0	0.00	Negligible
R71	11.4	13.1	13.1	0.0	0.00	Negligible
R72	11.0	13.2	13.2	0.0	0.00	Negligible
R73	11.7	12.5	12.5	0.0	0.00	Negligible
R74	11.0	12.0	12.0	0.0	0.00	Negligible
R75	11.3	11.9	11.9	0.0	0.00	Negligible
R76	12.1	13.5	13.5	0.0	0.00	Negligible
R77	12.1	13.0	13.0	0.0	0.00	Negligible
R78	15.5	17.3	17.3	0.0	0.00	Negligible
R79	15.5	17.7	17.7	0.0	0.00	Negligible
R80	13.0	18.3	18.3	0.0	0.00	Negligible
R81	11.4	13.3	13.3	0.0	0.00	Negligible
R82	11.7	14.2	14.2	0.0	0.00	Negligible
R83	11.7	12.9	12.9	0.0	0.00	Negligible
R84	11.4	13.6	13.6	0.0	0.00	Negligible
R85	12.1	13.9	13.9	0.0	0.00	Negligible
R86	12.8	14.1	14.1	0.0	0.00	Negligible
R87	11.6	14.2	14.2	0.0	0.00	Negligible
R88	13.0	13.9	13.9	0.0	0.00	Negligible
R89	12.6	13.0	13.0	0.0	0.00	Negligible
R90	14.7	24.0	24.0	0.0	0.00	Negligible
R91	11.7	13.4	13.4	0.0	0.00	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R92	12.1	12.9	12.9	0.0	0.00	Negligible
R93	13.4	23.9	23.9	0.0	0.00	Negligible
R94	13.4	21.2	21.2	0.0	0.00	Negligible
R95	12.4	16.1	16.1	0.0	0.00	Negligible
R96	12.4	14.6	14.6	0.0	0.00	Negligible
R97	13.2	17.0	17.0	0.0	0.00	Negligible
R98	12.6	14.4	14.4	0.0	0.00	Negligible
R99	12.7	14.7	14.7	0.0	0.00	Negligible
R100	12.7	16.7	16.7	0.0	0.00	Negligible
R101	12.2	14.7	14.7	0.0	0.00	Negligible
R102	11.9	13.2	13.2	0.0	0.00	Negligible
R103	11.9	12.9	12.9	0.0	0.00	Negligible
R104	12.0	12.8	12.8	0.0	0.00	Negligible
R105	12.8	14.1	14.1	0.0	0.00	Negligible
R106	12.9	14.2	14.2	0.0	0.00	Negligible
R107	12.9	14.8	14.8	0.0	0.00	Negligible
R108	14.6	17.0	17.0	0.0	0.00	Negligible
R109	14.6	18.6	18.6	0.0	0.00	Negligible
R110	14.6	16.7	16.7	0.0	0.00	Negligible

Table 4.5.3: Predicted $PM_{2.5}$ Concentration Changes due to 2028 Peak Construction Traffic

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R1	7.5	8.0	8.0	0.0	0.15	Negligible
R2	7.1	7.8	7.8	0.1	0.28	Negligible
R3	7.1	7.5	7.5	0.0	0.09	Negligible
R4	7.1	7.6	7.6	0.0	0.14	Negligible
R5	7.1	7.9	7.9	0.1	0.28	Negligible
R6	7.1	8.0	8.0	0.0	0.24	Negligible
R7	6.5	6.6	6.6	0.0	0.00	Negligible
R8	6.3	7.2	7.2	0.0	0.00	Negligible
R9	6.4	7.6	7.6	0.0	0.00	Negligible
R10	6.4	6.8	6.8	0.0	0.00	Negligible
R11	6.4	7.5	7.5	0.0	0.00	Negligible
R12	6.5	9.6	9.6	0.0	0.00	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R13	6.5	9.0	9.0	0.0	0.00	Negligible
R14	6.5	10.6	10.6	0.0	0.00	Negligible
R15	6.5	10.2	10.2	0.0	0.00	Negligible
R16	6.5	8.1	8.1	0.0	0.00	Negligible
R17	6.4	7.2	7.2	0.0	0.00	Negligible
R18	7.1	7.5	7.5	0.0	0.02	Negligible
R19	6.7	7.0	7.0	0.0	0.00	Negligible
R20	6.4	7.1	7.1	0.0	0.00	Negligible
R21	6.4	7.2	7.2	0.0	0.00	Negligible
R22	6.5	7.4	7.4	0.0	0.00	Negligible
R23	6.6	7.4	7.4	0.0	0.00	Negligible
R24	6.5	7.0	7.0	0.0	0.00	Negligible
R25	6.5	7.0	7.0	0.0	0.00	Negligible
R26	6.5	6.7	6.7	0.0	0.00	Negligible
R27	6.4	6.6	6.6	0.0	0.00	Negligible
R28	6.5	8.0	8.0	0.0	0.00	Negligible
R29	6.5	8.8	8.8	0.0	0.00	Negligible
R30	6.5	8.9	8.9	0.0	0.00	Negligible
R31	6.5	7.8	7.8	0.0	0.00	Negligible
R32	6.6	7.5	7.5	0.0	0.00	Negligible
R33	6.9	8.2	8.2	0.0	0.00	Negligible
R34	6.9	7.7	7.7	0.0	0.00	Negligible
R35	6.9	8.2	8.2	0.0	0.00	Negligible
R36	6.9	8.2	8.2	0.0	0.00	Negligible
R37	7.2	8.6	8.6	0.0	0.00	Negligible
R38	7.2	8.7	8.7	0.0	0.00	Negligible
R39	7.2	9.1	9.1	0.0	0.00	Negligible
R40	7.3	12.4	12.4	0.0	0.00	Negligible
R41	7.3	10.3	10.3	0.0	0.00	Negligible
R42	7.3	9.9	9.9	0.0	0.00	Negligible
R43	7.3	7.8	7.8	0.0	0.00	Negligible
R44	7.3	8.0	8.0	0.0	0.00	Negligible
R45	7.5	8.5	8.5	0.0	0.00	Negligible
R46	7.2	9.2	9.2	0.0	0.00	Negligible
R47	7.2	8.4	8.4	0.0	0.00	Negligible
R48	6.6	7.3	7.3	0.0	0.00	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R49	6.7	7.1	7.1	0.0	0.01	Negligible
R50	6.7	7.3	7.3	0.0	0.01	Negligible
R51	6.6	6.8	6.8	0.0	0.00	Negligible
R52	6.5	7.2	7.2	0.0	0.00	Negligible
R53	7.1	8.5	8.5	0.0	0.04	Negligible
R54	7.1	9.8	9.8	0.0	0.08	Negligible
R55	6.8	8.2	8.2	0.0	0.02	Negligible
R56	6.8	9.4	9.4	0.0	0.07	Negligible
R57	6.7	9.3	9.3	0.0	0.00	Negligible
R58	6.5	7.5	7.5	0.0	0.00	Negligible
R59	6.5	7.6	7.6	0.0	0.00	Negligible
R60	6.4	7.9	7.9	0.0	0.00	Negligible
R61	6.4	8.1	8.1	0.0	0.00	Negligible
R62	6.4	7.7	7.7	0.0	0.00	Negligible
R63	6.4	8.1	8.1	0.0	0.00	Negligible
R64	6.8	8.1	8.1	0.0	0.00	Negligible
R65	6.9	7.4	7.4	0.0	0.00	Negligible
R66	7.2	9.3	9.3	0.0	0.00	Negligible
R67	6.9	9.0	9.0	0.0	0.00	Negligible
R68	7.1	9.5	9.5	0.0	0.00	Negligible
R69	6.7	8.2	8.2	0.0	0.00	Negligible
R70	6.7	7.7	7.7	0.0	0.00	Negligible
R71	6.5	7.5	7.5	0.0	0.00	Negligible
R72	6.5	7.6	7.6	0.0	0.00	Negligible
R73	6.5	6.9	6.9	0.0	0.00	Negligible
R74	6.4	6.9	6.9	0.0	0.00	Negligible
R75	6.5	6.8	6.8	0.0	0.00	Negligible
R76	6.7	7.5	7.5	0.0	0.00	Negligible
R77	6.7	7.2	7.2	0.0	0.00	Negligible
R78	7.1	8.2	8.2	0.0	0.00	Negligible
R79	7.1	8.5	8.5	0.0	0.00	Negligible
R80	6.8	10.1	10.1	0.0	0.00	Negligible
R81	6.7	7.7	7.7	0.0	0.00	Negligible
R82	6.7	8.0	8.0	0.0	0.00	Negligible
R83	6.7	7.3	7.3	0.0	0.00	Negligible
R84	6.7	7.9	7.9	0.0	0.00	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	Background (2024)	2024 Baseline	Peak Construction			
R85	6.7	7.7	7.7	0.0	0.00	Negligible
R86	6.9	7.6	7.6	0.0	0.00	Negligible
R87	6.8	8.2	8.2	0.0	0.00	Negligible
R88	6.8	7.4	7.4	0.0	0.00	Negligible
R89	7.0	7.2	7.2	0.0	0.00	Negligible
R90	7.2	13.1	13.1	0.0	0.00	Negligible
R91	6.4	7.4	7.4	0.0	0.00	Negligible
R92	6.9	7.4	7.4	0.0	0.00	Negligible
R93	7.9	13.5	13.5	0.0	0.00	Negligible
R94	7.9	12.0	12.0	0.0	0.00	Negligible
R95	7.3	9.4	9.4	0.0	0.00	Negligible
R96	7.3	8.6	8.6	0.0	0.00	Negligible
R97	7.2	9.4	9.4	0.0	0.00	Negligible
R98	7.1	8.1	8.1	0.0	0.00	Negligible
R99	7.6	8.7	8.7	0.0	0.00	Negligible
R100	7.6	9.7	9.7	0.0	0.00	Negligible
R101	7.2	8.6	8.6	0.0	0.00	Negligible
R102	7.3	8.0	8.0	0.0	0.00	Negligible
R103	7.3	7.8	7.8	0.0	0.00	Negligible
R104	6.9	7.4	7.4	0.0	0.00	Negligible
R105	7.0	7.8	7.8	0.0	0.00	Negligible
R106	7.4	8.2	8.2	0.0	0.00	Negligible
R107	7.4	8.4	8.4	0.0	0.00	Negligible
R108	7.4	8.7	8.7	0.0	0.00	Negligible
R109	7.4	9.5	9.5	0.0	0.00	Negligible
R110	7.4	8.5	8.5	0.0	0.00	Negligible

2031 Baseline vs 2031 Opening Year (Do Something)

Table 4.5.4: Predicted NO_2 Concentration Changes due to 2031 Opening Year Traffic

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R1	14.7	10.9	10.4	-0.5	-1.28	Negligible
R2	14.2	9.6	8.5	-1.2	-2.98	Negligible
R3	12.5	8.7	8.4	-0.3	-0.67	Negligible

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R4	13.3	9.0	8.6	-0.4	-0.90	Negligible
R5	14.7	9.7	8.8	-0.9	-2.35	Negligible
R6	15.2	9.9	9.2	-0.7	-1.63	Negligible
R7	6.4	4.9	4.9	0.0	0.10	Negligible
R8	11.0	7.3	7.6	0.3	0.78	Negligible
R9	12.6	7.6	8.1	0.5	1.20	Negligible
R10	8.1	5.5	5.7	0.1	0.35	Negligible
R11	13.3	8.1	8.2	0.0	0.12	Negligible
R12	21.9	11.7	11.7	0.0	0.10	Negligible
R13	19.1	10.4	10.4	0.0	0.08	Negligible
R14	26.2	13.8	13.8	0.1	0.13	Negligible
R15	24.8	13.1	13.2	0.1	0.13	Negligible
R16	14.4	8.1	8.1	0.0	0.05	Negligible
R17	10.9	6.7	6.7	0.0	0.02	Negligible
R18	12.6	8.7	8.7	-0.1	-0.13	Negligible
R19	8.5	6.1	5.9	-0.3	-0.70	Negligible
R20	10.8	6.9	6.9	0.1	0.17	Negligible
R21	11.7	7.4	7.4	0.0	0.13	Negligible
R22	11.3	8.2	7.9	-0.3	-0.63	Negligible
R23	10.7	6.9	6.8	-0.1	-0.25	Negligible
R24	9.0	6.5	6.5	0.0	0.00	Negligible
R25	8.6	6.2	6.3	0.0	0.10	Negligible
R26	6.6	5.3	5.3	0.0	-0.02	Negligible
R27	6.7	5.2	5.2	0.0	0.08	Negligible
R28	16.4	13.9	12.3	-1.6	-4.00	Negligible
R29	21.0	13.7	13.4	-0.3	-0.70	Negligible
R30	22.8	13.9	13.5	-0.4	-0.87	Negligible
R31	14.5	9.4	9.3	-0.1	-0.15	Negligible
R32	13.1	8.4	8.7	0.3	0.75	Negligible
R33	14.7	9.3	9.3	0.1	0.15	Negligible
R34	12.9	8.2	8.1	-0.1	-0.18	Negligible
R35	14.3	9.3	9.4	0.0	0.12	Negligible
R36	14.7	9.0	9.2	0.2	0.45	Negligible
R37	15.0	9.6	9.7	0.1	0.20	Negligible
R38	15.6	10.2	10.2	0.0	0.12	Negligible
R39	17.5	11.6	11.6	0.0	0.10	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R40	32.5	20.7	20.6	-0.1	-0.37	Negligible
R41	25.3	16.1	16.2	0.1	0.13	Negligible
R42	22.7	14.9	15.0	0.0	0.12	Negligible
R43	10.6	7.6	7.6	0.0	0.05	Negligible
R44	11.4	7.8	7.9	0.0	0.10	Negligible
R45	13.3	8.5	8.5	0.0	0.05	Negligible
R46	18.6	10.3	10.4	0.1	0.15	Negligible
R47	14.5	8.9	9.0	0.0	0.10	Negligible
R48	10.9	6.4	6.5	0.1	0.13	Negligible
R49	9.8	7.1	7.3	0.2	0.48	Negligible
R50	11.0	7.2	7.4	0.2	0.45	Negligible
R51	8.2	6.2	6.3	0.0	0.13	Negligible
R52	11.1	7.9	7.9	0.0	0.03	Negligible
R53	19.7	12.1	12.6	0.5	1.28	Negligible
R54	27.7	16.3	16.7	0.3	0.77	Negligible
R55	17.5	12.2	12.3	0.0	0.10	Negligible
R56	27.1	17.8	18.3	0.4	1.13	Negligible
R57	24.0	15.1	15.5	0.4	1.03	Negligible
R58	13.5	9.3	9.5	0.2	0.43	Negligible
R59	14.5	10.0	10.2	0.2	0.47	Negligible
R60	19.6	12.9	13.1	0.2	0.40	Negligible
R61	16.0	9.9	10.0	0.0	0.05	Negligible
R62	13.7	8.7	8.8	0.0	0.05	Negligible
R63	16.8	10.7	10.7	0.0	0.02	Negligible
R64	14.8	9.1	9.2	0.1	0.13	Negligible
R65	11.4	7.3	7.4	0.1	0.23	Negligible
R66	22.6	13.0	13.0	-0.1	-0.15	Negligible
R67	22.3	15.0	15.2	0.1	0.33	Negligible
R68	21.2	12.4	12.5	0.1	0.33	Negligible
R69	17.4	11.4	11.6	0.3	0.65	Negligible
R70	14.3	9.5	9.8	0.3	0.72	Negligible
R71	13.4	8.7	8.8	0.2	0.45	Negligible
R72	13.2	8.6	8.8	0.2	0.55	Negligible
R73	9.3	6.7	6.6	0.0	-0.13	Negligible
R74	9.2	6.5	6.4	0.0	-0.10	Negligible
R75	7.8	5.6	5.7	0.0	0.03	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R76	12.2	8.0	7.9	-0.1	-0.15	Negligible
R77	10.9	7.3	7.2	-0.2	-0.38	Negligible
R78	16.1	9.8	9.8	0.0	0.08	Negligible
R79	18.8	11.2	11.3	0.0	0.12	Negligible
R80	31.5	18.6	18.7	0.1	0.27	Negligible
R81	12.2	8.4	8.5	0.1	0.35	Negligible
R82	14.1	9.4	9.5	0.2	0.47	Negligible
R83	10.4	7.3	7.3	0.1	0.23	Negligible
R84	13.2	8.9	9.0	0.2	0.38	Negligible
R85	13.9	10.0	10.1	0.0	0.10	Negligible
R86	10.9	7.5	7.4	-0.1	-0.18	Negligible
R87	14.6	9.4	9.4	0.0	-0.10	Negligible
R88	9.9	7.2	7.2	0.0	0.05	Negligible
R89	8.8	7.1	7.1	0.0	0.03	Negligible
R90	44.9	27.4	27.6	0.2	0.50	Negligible
R91	11.9	7.9	7.9	0.0	0.13	Negligible
R92	10.3	7.2	7.2	0.0	0.05	Negligible
R93	38.1	24.2	24.3	0.1	0.30	Negligible
R94	31.9	20.7	20.8	0.1	0.25	Negligible
R95	21.8	13.1	13.1	0.0	0.00	Negligible
R96	16.8	10.5	10.5	0.0	0.03	Negligible
R97	23.2	13.9	13.9	0.0	0.02	Negligible
R98	14.1	9.1	9.1	0.0	0.05	Negligible
R99	18.5	13.2	13.3	0.0	0.05	Negligible
R100	24.4	15.9	16.0	0.0	0.12	Negligible
R101	18.4	12.2	12.2	0.0	0.08	Negligible
R102	16.2	12.4	12.4	0.0	0.02	Negligible
R103	15.4	12.1	12.1	0.0	0.00	Negligible
R104	14.1	9.0	9.0	0.0	0.02	Negligible
R105	13.6	8.6	8.7	0.0	0.02	Negligible
R106	14.7	9.5	9.6	0.0	0.03	Negligible
R107	15.3	9.7	9.7	0.0	0.05	Negligible
R108	18.4	11.0	11.1	0.0	0.08	Negligible
R109	23.6	13.6	13.6	0.0	0.12	Negligible
R110	16.6	10.4	10.4	0.0	0.05	Negligible

Table 4.5.5: Predicted PM_{10} Concentration Changes due to 2031 Opening Year Traffic

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R1	16.5	16.1	15.9	-0.2	-0.58	Negligible
R2	16.0	15.5	14.8	-0.7	-1.68	Negligible
R3	15.5	15.0	14.8	-0.2	-0.45	Negligible
R4	15.7	15.2	15.0	-0.2	-0.56	Negligible
R5	16.2	15.7	15.1	-0.6	-1.49	Negligible
R6	16.3	15.8	15.4	-0.4	-0.97	Negligible
R7	13.1	12.6	12.6	0.0	0.07	Negligible
R8	12.8	12.4	12.6	0.2	0.60	Negligible
R9	14.0	13.5	13.9	0.4	0.95	Negligible
R10	12.5	11.9	12.0	0.1	0.27	Negligible
R11	14.1	13.6	13.6	0.0	0.09	Negligible
R12	17.5	16.8	16.9	0.0	0.09	Negligible
R13	16.4	15.7	15.8	0.0	0.07	Negligible
R14	19.4	18.6	18.6	0.0	0.11	Negligible
R15	18.8	18.0	18.1	0.0	0.10	Negligible
R16	14.6	13.9	13.9	0.0	0.03	Negligible
R17	13.5	12.9	12.9	0.0	0.02	Negligible
R18	15.5	15.0	15.0	0.0	-0.11	Negligible
R19	13.5	13.1	12.9	-0.2	-0.54	Negligible
R20	12.9	12.3	12.4	0.0	0.10	Negligible
R21	13.1	12.6	12.6	0.0	0.05	Negligible
R22	13.9	14.0	13.8	-0.2	-0.49	Negligible
R23	13.9	13.3	13.2	-0.1	-0.19	Negligible
R24	13.3	13.0	13.0	0.0	0.02	Negligible
R25	13.2	12.8	12.9	0.0	0.07	Negligible
R26	12.5	12.2	12.1	0.0	-0.03	Negligible
R27	12.2	11.8	11.8	0.0	0.03	Negligible
R28	14.7	14.8	14.5	-0.3	-0.68	Negligible
R29	16.2	16.6	16.5	-0.1	-0.23	Negligible
R30	16.3	16.0	16.0	-0.1	-0.17	Negligible
R31	14.2	14.0	14.0	0.0	0.03	Negligible
R32	14.2	13.8	14.0	0.2	0.48	Negligible
R33	14.7	14.5	14.5	0.0	0.12	Negligible
R34	13.9	13.3	13.3	0.0	-0.09	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R35	14.8	14.8	14.8	0.0	0.10	Negligible
R36	14.9	14.4	14.6	0.1	0.34	Negligible
R37	15.2	14.9	15.0	0.1	0.22	Negligible
R38	15.4	15.4	15.4	0.1	0.15	Negligible
R39	16.1	16.4	16.5	0.0	0.09	Negligible
R40	21.8	22.9	22.8	-0.1	-0.28	Negligible
R41	18.0	17.9	17.9	0.0	0.10	Negligible
R42	17.1	17.0	17.0	0.0	0.11	Negligible
R43	13.4	13.1	13.1	0.0	0.04	Negligible
R44	13.6	13.3	13.3	0.0	0.07	Negligible
R45	14.4	13.8	13.8	0.0	0.03	Negligible
R46	15.9	14.8	14.8	0.0	0.06	Negligible
R47	14.5	13.9	13.9	0.0	0.05	Negligible
R48	14.1	13.1	13.2	0.0	0.10	Negligible
R49	13.7	13.3	13.4	0.1	0.34	Negligible
R50	14.1	13.4	13.5	0.1	0.35	Negligible
R51	13.1	12.7	12.8	0.0	0.08	Negligible
R52	13.3	12.9	12.9	0.0	-0.02	Negligible
R53	17.1	16.6	16.9	0.3	0.71	Negligible
R54	19.2	18.7	18.9	0.2	0.53	Negligible
R55	16.6	16.9	16.9	0.0	0.00	Negligible
R56	18.6	18.4	18.5	0.2	0.39	Negligible
R57	18.4	18.2	18.4	0.2	0.56	Negligible
R58	14.3	13.8	13.9	0.1	0.19	Negligible
R59	14.0	13.5	13.6	0.1	0.20	Negligible
R60	13.8	13.2	13.3	0.1	0.13	Negligible
R61	15.1	14.8	14.8	0.0	0.02	Negligible
R62	14.2	13.9	13.9	0.0	0.02	Negligible
R63	14.6	14.3	14.3	0.0	0.02	Negligible
R64	13.7	13.1	13.1	0.0	0.06	Negligible
R65	15.5	14.9	14.9	0.0	0.12	Negligible
R66	18.6	18.1	18.0	-0.1	-0.20	Negligible
R67	16.1	16.3	16.4	0.1	0.17	Negligible
R68	16.8	16.3	16.3	0.1	0.15	Negligible
R69	15.2	15.0	15.1	0.1	0.20	Negligible
R70	14.3	14.0	14.1	0.1	0.20	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R71	13.1	12.7	12.8	0.1	0.21	Negligible
R72	13.2	12.8	12.9	0.1	0.30	Negligible
R73	12.5	12.1	12.1	0.0	-0.07	Negligible
R74	12.0	11.6	11.5	0.0	-0.10	Negligible
R75	11.9	11.4	11.4	0.0	-0.02	Negligible
R76	13.5	12.9	12.9	0.0	-0.05	Negligible
R77	13.0	12.4	12.3	0.0	-0.10	Negligible
R78	17.3	16.7	16.7	0.0	0.03	Negligible
R79	17.7	17.1	17.2	0.0	0.05	Negligible
R80	18.3	17.7	17.7	0.1	0.13	Negligible
R81	13.3	13.0	13.1	0.1	0.26	Negligible
R82	14.2	14.1	14.2	0.1	0.37	Negligible
R83	12.9	12.6	12.6	0.1	0.17	Negligible
R84	13.6	13.4	13.5	0.1	0.30	Negligible
R85	13.9	13.5	13.6	0.0	0.10	Negligible
R86	14.1	13.6	13.6	0.0	-0.11	Negligible
R87	14.2	13.9	13.9	0.0	-0.09	Negligible
R88	13.9	13.7	13.7	0.0	0.04	Negligible
R89	13.0	12.6	12.6	0.0	0.02	Negligible
R90	24.0	23.2	23.3	0.1	0.26	Negligible
R91	13.4	12.9	12.9	0.0	0.09	Negligible
R92	12.9	12.3	12.3	0.0	0.04	Negligible
R93	23.9	22.8	22.9	0.1	0.16	Negligible
R94	21.2	20.3	20.3	0.1	0.13	Negligible
R95	16.1	15.4	15.4	0.0	0.01	Negligible
R96	14.6	13.9	13.9	0.0	0.01	Negligible
R97	17.0	16.3	16.3	0.0	0.01	Negligible
R98	14.4	13.8	13.8	0.0	0.02	Negligible
R99	14.7	14.0	14.0	0.0	0.02	Negligible
R100	16.7	15.9	15.9	0.0	0.05	Negligible
R101	14.7	14.0	14.0	0.0	0.03	Negligible
R102	13.2	12.5	12.5	0.0	0.00	Negligible
R103	12.9	12.2	12.2	0.0	0.00	Negligible
R104	12.8	12.2	12.2	0.0	0.01	Negligible
R105	14.1	13.5	13.5	0.0	0.01	Negligible
R106	14.2	13.6	13.6	0.0	0.01	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R107	14.8	14.1	14.1	0.0	0.02	Negligible
R108	17.0	16.3	16.3	0.0	0.03	Negligible
R109	18.6	17.8	17.8	0.0	0.04	Negligible
R110	16.7	16.0	16.0	0.0	0.02	Negligible

Table 4.5.6: Predicted $PM_{2.5}$ Concentration Changes due to 2031 Opening Year Traffic

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R1	8.0	7.6	7.5	-0.1	-0.66	Negligible
R2	7.8	7.3	6.9	-0.4	-1.84	Negligible
R3	7.5	7.0	6.9	-0.1	-0.49	Negligible
R4	7.6	7.1	7.0	-0.1	-0.62	Negligible
R5	7.9	7.4	7.1	-0.3	-1.63	Negligible
R6	8.0	7.4	7.2	-0.2	-1.08	Negligible
R7	6.6	6.1	6.1	0.0	0.08	Negligible
R8	7.2	6.8	6.9	0.1	0.63	Negligible
R9	7.6	7.2	7.4	0.2	1.00	Negligible
R10	6.8	6.3	6.4	0.1	0.29	Negligible
R11	7.5	7.1	7.1	0.0	0.09	Negligible
R12	9.6	9.0	9.0	0.0	0.09	Negligible
R13	9.0	8.4	8.4	0.0	0.08	Negligible
R14	10.6	9.9	9.9	0.0	0.12	Negligible
R15	10.2	9.6	9.6	0.0	0.11	Negligible
R16	8.1	7.5	7.5	0.0	0.03	Negligible
R17	7.2	6.6	6.6	0.0	0.02	Negligible
R18	7.5	7.0	7.0	0.0	-0.12	Negligible
R19	7.0	6.6	6.5	-0.1	-0.56	Negligible
R20	7.1	6.6	6.6	0.0	0.11	Negligible
R21	7.2	6.7	6.7	0.0	0.07	Negligible
R22	7.4	7.3	7.2	-0.1	-0.52	Negligible
R23	7.4	6.9	6.9	0.0	-0.20	Negligible
R24	7.0	6.7	6.7	0.0	0.02	Negligible
R25	7.0	6.6	6.6	0.0	0.08	Negligible
R26	6.7	6.3	6.3	0.0	-0.03	Negligible
R27	6.6	6.2	6.2	0.0	0.04	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R28	8.0	7.9	7.7	-0.2	-0.76	Negligible
R29	8.8	8.8	8.7	0.0	-0.25	Negligible
R30	8.9	8.5	8.5	0.0	-0.18	Negligible
R31	7.8	7.4	7.4	0.0	0.03	Negligible
R32	7.5	7.1	7.2	0.1	0.54	Negligible
R33	8.2	7.8	7.8	0.0	0.13	Negligible
R34	7.7	7.2	7.2	0.0	-0.10	Negligible
R35	8.2	7.9	8.0	0.0	0.11	Negligible
R36	8.2	7.7	7.8	0.1	0.36	Negligible
R37	8.6	8.2	8.3	0.0	0.23	Negligible
R38	8.7	8.5	8.5	0.0	0.16	Negligible
R39	9.1	9.0	9.0	0.0	0.10	Negligible
R40	12.4	12.7	12.6	-0.1	-0.30	Negligible
R41	10.3	10.0	10.0	0.0	0.11	Negligible
R42	9.9	9.5	9.5	0.0	0.11	Negligible
R43	7.8	7.5	7.5	0.0	0.04	Negligible
R44	8.0	7.6	7.6	0.0	0.08	Negligible
R45	8.5	8.0	8.0	0.0	0.03	Negligible
R46	9.2	8.4	8.4	0.0	0.06	Negligible
R47	8.4	7.9	7.9	0.0	0.06	Negligible
R48	7.3	6.6	6.6	0.0	0.11	Negligible
R49	7.1	6.6	6.7	0.1	0.37	Negligible
R50	7.3	6.7	6.8	0.1	0.37	Negligible
R51	6.8	6.5	6.5	0.0	0.09	Negligible
R52	7.2	6.8	6.8	0.0	-0.02	Negligible
R53	8.5	8.0	8.1	0.2	0.81	Negligible
R54	9.8	9.2	9.4	0.1	0.62	Negligible
R55	8.2	8.2	8.2	0.0	0.03	Negligible
R56	9.4	9.0	9.1	0.1	0.48	Negligible
R57	9.3	8.9	9.0	0.1	0.62	Negligible
R58	7.5	7.0	7.1	0.0	0.22	Negligible
R59	7.6	7.1	7.1	0.0	0.23	Negligible
R60	7.9	7.4	7.4	0.0	0.16	Negligible
R61	8.1	7.8	7.8	0.0	0.02	Negligible
R62	7.7	7.3	7.3	0.0	0.02	Negligible
R63	8.1	7.7	7.7	0.0	0.02	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R64	8.1	7.5	7.5	0.0	0.07	Negligible
R65	7.4	6.9	6.9	0.0	0.14	Negligible
R66	9.3	8.8	8.7	0.0	-0.20	Negligible
R67	9.0	8.9	8.9	0.0	0.20	Negligible
R68	9.5	9.0	9.0	0.0	0.17	Negligible
R69	8.2	7.9	8.0	0.0	0.23	Negligible
R70	7.7	7.3	7.3	0.0	0.23	Negligible
R71	7.5	7.0	7.1	0.0	0.25	Negligible
R72	7.6	7.2	7.3	0.1	0.33	Negligible
R73	6.9	6.5	6.5	0.0	-0.08	Negligible
R74	6.9	6.5	6.5	0.0	-0.10	Negligible
R75	6.8	6.3	6.3	0.0	-0.01	Negligible
R76	7.5	7.0	7.0	0.0	-0.06	Negligible
R77	7.2	6.7	6.7	0.0	-0.11	Negligible
R78	8.2	7.6	7.6	0.0	0.03	Negligible
R79	8.5	7.9	7.9	0.0	0.06	Negligible
R80	10.1	9.4	9.4	0.0	0.16	Negligible
R81	7.7	7.3	7.4	0.1	0.27	Negligible
R82	8.0	7.7	7.8	0.1	0.39	Negligible
R83	7.3	6.9	7.0	0.0	0.18	Negligible
R84	7.9	7.5	7.6	0.1	0.31	Negligible
R85	7.7	7.3	7.3	0.0	0.11	Negligible
R86	7.6	7.2	7.1	0.0	-0.11	Negligible
R87	8.2	7.8	7.8	0.0	-0.10	Negligible
R88	7.4	7.0	7.1	0.0	0.04	Negligible
R89	7.2	6.8	6.8	0.0	0.02	Negligible
R90	13.1	12.1	12.2	0.1	0.31	Negligible
R91	7.4	6.9	6.9	0.0	0.09	Negligible
R92	7.4	6.9	6.9	0.0	0.04	Negligible
R93	13.5	12.6	12.7	0.0	0.17	Negligible
R94	12.0	11.2	11.3	0.0	0.14	Negligible
R95	9.4	8.8	8.8	0.0	0.01	Negligible
R96	8.6	8.0	8.0	0.0	0.01	Negligible
R97	9.4	8.8	8.8	0.0	0.01	Negligible
R98	8.1	7.5	7.5	0.0	0.02	Negligible
R99	8.7	8.1	8.1	0.0	0.02	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R100	9.7	9.1	9.1	0.0	0.05	Negligible
R101	8.6	8.0	8.0	0.0	0.03	Negligible
R102	8.0	7.4	7.4	0.0	0.00	Negligible
R103	7.8	7.2	7.2	0.0	0.00	Negligible
R104	7.4	6.8	6.8	0.0	0.01	Negligible
R105	7.8	7.2	7.2	0.0	0.02	Negligible
R106	8.2	7.6	7.6	0.0	0.01	Negligible
R107	8.4	7.8	7.8	0.0	0.02	Negligible
R108	8.7	8.1	8.1	0.0	0.03	Negligible
R109	9.5	8.9	8.9	0.0	0.04	Negligible
R110	8.5	7.9	7.9	0.0	0.03	Negligible

2034 Baseline vs 2034 Completion Year (Do Something)

Table 4.5.7: Predicted NO_2 Concentration Changes due to 2034 Completion Year Traffic

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R1	14.7	9.9	10.0	0.1	0.37	Negligible
R2	14.2	8.4	7.8	-0.6	-1.55	Negligible
R3	12.5	7.7	7.7	0.1	0.23	Negligible
R4	13.3	7.9	7.9	0.0	0.05	Negligible
R5	14.7	8.5	8.0	-0.5	-1.15	Negligible
R6	15.2	8.6	8.2	-0.4	-0.98	Negligible
R7	6.4	4.5	4.5	0.0	0.13	Negligible
R8	11.0	6.1	6.3	0.3	0.73	Negligible
R9	12.6	6.0	6.6	0.5	1.28	Negligible
R10	8.1	4.7	4.9	0.1	0.37	Negligible
R11	13.3	6.5	6.6	0.1	0.15	Negligible
R12	21.9	8.5	8.7	0.2	0.40	Negligible
R13	19.1	7.7	7.8	0.1	0.33	Negligible
R14	26.2	9.8	10.0	0.2	0.55	Negligible
R15	24.8	9.4	9.6	0.2	0.55	Negligible
R16	14.4	6.3	6.4	0.1	0.25	Negligible
R17	10.9	5.5	5.6	0.1	0.17	Negligible
R18	12.6	7.7	7.8	0.2	0.45	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R19	8.5	5.3	5.2	-0.1	-0.23	Negligible
R20	10.8	5.8	5.9	0.2	0.43	Negligible
R21	11.7	6.1	6.3	0.2	0.45	Negligible
R22	11.3	6.8	6.9	0.1	0.15	Negligible
R23	10.7	5.9	6.1	0.2	0.48	Negligible
R24	9.0	5.5	5.7	0.2	0.48	Negligible
R25	8.6	5.3	5.5	0.2	0.48	Negligible
R26	6.6	4.7	4.6	-0.1	-0.23	Negligible
R27	6.7	4.7	4.6	0.0	-0.10	Negligible
R28	16.4	12.7	7.5	-5.2	-12.93	Moderate Benefit
R29	21.0	11.0	8.4	-2.7	-6.65	Minor Benefit
R30	22.8	11.3	8.4	-2.9	-7.33	Minor Benefit
R31	14.5	7.7	6.8	-0.9	-2.33	Negligible
R32	13.1	7.0	7.9	1.0	2.40	Negligible
R33	14.7	7.6	8.4	0.8	2.00	Negligible
R34	12.9	6.9	7.6	0.7	1.70	Negligible
R35	14.3	7.5	7.9	0.4	1.03	Negligible
R36	14.7	7.3	7.7	0.4	0.88	Negligible
R37	15.0	7.8	8.4	0.5	1.33	Negligible
R38	15.6	8.2	8.6	0.4	1.05	Negligible
R39	17.5	9.1	9.4	0.3	0.65	Negligible
R40	32.5	15.6	15.5	-0.1	-0.18	Negligible
R41	25.3	12.8	13.0	0.2	0.45	Negligible
R42	22.7	12.2	12.4	0.2	0.47	Negligible
R43	10.6	6.4	6.6	0.1	0.37	Negligible
R44	11.4	6.6	6.8	0.2	0.53	Negligible
R45	13.3	7.1	7.1	0.0	0.05	Negligible
R46	18.6	8.4	8.5	0.0	0.05	Negligible
R47	14.5	7.4	7.4	0.0	0.00	Negligible
R48	10.9	5.7	5.8	0.1	0.25	Negligible
R49	9.8	6.3	6.4	0.1	0.17	Negligible
R50	11.0	6.4	6.5	0.1	0.15	Negligible
R51	8.2	5.4	5.6	0.2	0.48	Negligible
R52	11.1	6.8	6.8	0.0	0.02	Negligible
R53	19.7	10.1	11.0	0.9	2.18	Negligible
R54	27.7	13.2	13.9	0.7	1.85	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R55	17.5	9.9	10.4	0.5	1.30	Negligible
R56	27.1	14.9	15.9	1.1	2.68	Negligible
R57	24.0	12.4	13.1	0.7	1.83	Negligible
R58	13.5	8.2	8.6	0.4	0.90	Negligible
R59	14.5	8.9	9.3	0.4	0.98	Negligible
R60	19.6	11.2	11.6	0.4	1.03	Negligible
R61	16.0	8.0	8.0	0.0	-0.13	Negligible
R62	13.7	7.2	7.1	0.0	-0.08	Negligible
R63	16.8	8.7	8.7	-0.1	-0.15	Negligible
R64	14.8	7.6	7.7	0.0	0.08	Negligible
R65	11.4	6.1	6.1	-0.1	-0.20	Negligible
R66	22.6	10.7	10.8	0.1	0.23	Negligible
R67	22.3	12.2	12.7	0.6	1.43	Negligible
R68	21.2	10.0	10.5	0.5	1.20	Negligible
R69	17.4	9.3	10.1	0.8	2.05	Negligible
R70	14.3	8.0	8.9	0.9	2.38	Negligible
R71	13.4	7.2	7.8	0.5	1.35	Negligible
R72	13.2	7.2	7.9	0.7	1.68	Negligible
R73	9.3	5.8	5.7	-0.1	-0.15	Negligible
R74	9.2	5.6	5.5	-0.1	-0.15	Negligible
R75	7.8	5.0	4.9	0.0	-0.10	Negligible
R76	12.2	6.9	6.5	-0.4	-0.88	Negligible
R77	10.9	6.6	5.9	-0.6	-1.58	Negligible
R78	16.1	8.2	8.2	0.0	0.07	Negligible
R79	18.8	9.3	9.4	0.1	0.23	Negligible
R80	31.5	15.2	15.4	0.2	0.38	Negligible
R81	12.2	7.0	7.0	0.0	0.08	Negligible
R82	14.1	7.6	7.7	0.0	0.10	Negligible
R83	10.4	6.2	6.2	0.0	0.05	Negligible
R84	13.2	7.3	7.4	0.0	0.08	Negligible
R85	13.9	8.6	8.7	0.1	0.18	Negligible
R86	10.9	6.2	6.2	0.0	-0.05	Negligible
R87	14.6	7.5	7.3	-0.2	-0.50	Negligible
R88	9.9	6.1	6.1	0.0	0.13	Negligible
R89	8.8	6.3	6.4	0.1	0.18	Negligible
R90	44.9	22.6	22.8	0.2	0.58	Negligible

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R91	11.9	6.9	6.5	-0.3	-0.85	Negligible
R92	10.3	6.3	6.1	-0.2	-0.45	Negligible
R93	38.1	20.3	20.6	0.3	0.67	Negligible
R94	31.9	17.6	17.8	0.2	0.58	Negligible
R95	21.8	10.9	10.9	0.0	0.05	Negligible
R96	16.8	8.9	8.9	0.0	0.02	Negligible
R97	23.2	11.6	11.6	0.0	0.02	Negligible
R98	14.1	7.9	7.9	0.0	0.05	Negligible
R99	18.5	11.9	11.9	0.0	0.10	Negligible
R100	24.4	13.7	13.7	0.0	0.12	Negligible
R101	18.4	10.6	10.6	0.0	0.07	Negligible
R102	16.2	11.4	11.4	0.0	0.05	Negligible
R103	15.4	11.2	11.2	0.0	0.02	Negligible
R104	14.1	7.8	7.8	0.0	0.02	Negligible
R105	13.6	7.3	7.4	0.0	0.02	Negligible
R106	14.7	8.2	8.2	0.0	0.02	Negligible
R107	15.3	8.3	8.3	0.0	0.08	Negligible
R108	18.4	9.2	9.3	0.1	0.15	Negligible
R109	23.6	11.1	11.3	0.2	0.48	Negligible
R110	16.6	8.8	8.9	0.1	0.15	Negligible

Table 4.5.8: Predicted PM_{10} Concentration Changes due to 2034 Completion Year Traffic

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R1	16.5	16.0	16.1	0.1	0.19	Negligible
R2	16.0	15.4	14.9	-0.5	-1.27	Negligible
R3	15.5	14.9	14.8	0.0	-0.03	Negligible
R4	15.7	15.1	15.0	-0.1	-0.13	Negligible
R5	16.2	15.6	15.1	-0.5	-1.19	Negligible
R6	16.3	15.7	15.3	-0.4	-1.08	Negligible
R7	13.1	12.4	12.4	0.1	0.13	Negligible
R8	12.8	12.3	12.7	0.4	0.94	Negligible
R9	14.0	13.4	14.1	0.6	1.62	Negligible
R10	12.5	11.8	12.0	0.2	0.47	Negligible
R11	14.1	13.4	13.5	0.1	0.16	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R12	17.5	16.6	16.8	0.2	0.52	Negligible
R13	16.4	15.5	15.7	0.2	0.43	Negligible
R14	19.4	18.4	18.7	0.3	0.72	Negligible
R15	18.8	17.8	18.1	0.3	0.68	Negligible
R16	14.6	13.7	13.8	0.1	0.31	Negligible
R17	13.5	12.7	12.8	0.1	0.15	Negligible
R18	15.5	14.9	15.0	0.1	0.26	Negligible
R19	13.5	13.0	12.9	-0.1	-0.33	Negligible
R20	12.9	12.2	12.3	0.1	0.33	Negligible
R21	13.1	12.5	12.6	0.1	0.32	Negligible
R22	13.9	13.9	13.8	-0.1	-0.20	Negligible
R23	13.9	13.2	13.3	0.1	0.31	Negligible
R24	13.3	12.8	12.9	0.1	0.34	Negligible
R25	13.2	12.7	12.8	0.1	0.34	Negligible
R26	12.5	12.0	11.9	-0.1	-0.26	Negligible
R27	12.2	11.6	11.6	0.0	-0.12	Negligible
R28	14.7	14.7	13.4	-1.3	-3.28	Negligible
R29	16.2	16.5	14.8	-1.6	-4.08	Negligible
R30	16.3	15.9	14.5	-1.4	-3.49	Negligible
R31	14.2	13.8	13.2	-0.6	-1.59	Negligible
R32	14.2	13.7	14.6	0.8	2.10	Negligible
R33	14.7	14.5	15.1	0.6	1.62	Negligible
R34	13.9	13.2	13.4	0.2	0.58	Negligible
R35	14.8	14.7	15.1	0.4	1.02	Negligible
R36	14.9	14.3	14.7	0.3	0.80	Negligible
R37	15.2	14.8	15.3	0.5	1.26	Negligible
R38	15.4	15.3	15.7	0.4	1.05	Negligible
R39	16.1	16.2	16.5	0.3	0.69	Negligible
R40	21.8	22.5	22.4	-0.1	-0.13	Negligible
R41	18.0	17.6	17.7	0.1	0.31	Negligible
R42	17.1	16.7	16.8	0.1	0.34	Negligible
R43	13.4	12.9	13.0	0.1	0.34	Negligible
R44	13.6	13.1	13.3	0.2	0.49	Negligible
R45	14.4	13.6	13.6	0.0	-0.04	Negligible
R46	15.9	14.7	14.7	-0.1	-0.14	Negligible
R47	14.5	13.8	13.7	-0.1	-0.14	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R48	14.1	13.0	13.1	0.1	0.20	Negligible
R49	13.7	13.2	13.2	0.0	0.08	Negligible
R50	14.1	13.3	13.3	0.0	0.07	Negligible
R51	13.1	12.6	12.7	0.2	0.46	Negligible
R52	13.3	12.8	12.7	0.0	-0.08	Negligible
R53	17.1	16.5	17.0	0.5	1.22	Negligible
R54	19.2	18.6	19.2	0.5	1.34	Negligible
R55	16.6	16.7	17.1	0.4	1.00	Negligible
R56	18.6	18.2	18.8	0.6	1.40	Negligible
R57	18.4	18.0	18.5	0.5	1.20	Negligible
R58	14.3	13.7	13.9	0.2	0.50	Negligible
R59	14.0	13.4	13.6	0.2	0.51	Negligible
R60	13.8	13.1	13.3	0.2	0.40	Negligible
R61	15.1	14.8	14.7	-0.1	-0.17	Negligible
R62	14.2	13.8	13.8	0.0	-0.12	Negligible
R63	14.6	14.3	14.2	-0.1	-0.17	Negligible
R64	13.7	12.9	12.9	0.0	0.00	Negligible
R65	15.5	14.7	14.7	-0.1	-0.15	Negligible
R66	18.6	18.2	18.1	-0.1	-0.28	Negligible
R67	16.1	16.3	16.6	0.3	0.70	Negligible
R68	16.8	16.3	16.5	0.2	0.54	Negligible
R69	15.2	14.9	15.2	0.2	0.61	Negligible
R70	14.3	13.9	14.2	0.3	0.67	Negligible
R71	13.1	12.6	12.9	0.3	0.67	Negligible
R72	13.2	12.7	13.1	0.4	0.90	Negligible
R73	12.5	11.9	11.9	-0.1	-0.16	Negligible
R74	12.0	11.4	11.3	-0.1	-0.23	Negligible
R75	11.9	11.2	11.2	-0.1	-0.17	Negligible
R76	13.5	12.8	12.6	-0.1	-0.31	Negligible
R77	13.0	12.2	12.1	-0.1	-0.32	Negligible
R78	17.3	16.6	16.5	0.0	-0.01	Negligible
R79	17.7	17.0	17.1	0.1	0.14	Negligible
R80	18.3	17.6	17.7	0.1	0.16	Negligible
R81	13.3	12.9	13.0	0.1	0.27	Negligible
R82	14.2	14.0	14.2	0.1	0.37	Negligible
R83	12.9	12.4	12.5	0.1	0.18	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R84	13.6	13.3	13.4	0.1	0.30	Negligible
R85	13.9	13.4	13.5	0.1	0.16	Negligible
R86	14.1	13.4	13.3	-0.1	-0.26	Negligible
R87	14.2	13.7	13.4	-0.3	-0.80	Negligible
R88	13.9	13.5	13.6	0.1	0.14	Negligible
R89	13.0	12.5	12.5	0.1	0.13	Negligible
R90	24.0	23.3	23.4	0.1	0.30	Negligible
R91	13.4	12.8	12.7	-0.1	-0.29	Negligible
R92	12.9	12.2	12.1	0.0	-0.11	Negligible
R93	23.9	22.6	22.8	0.2	0.46	Negligible
R94	21.2	20.1	20.2	0.1	0.36	Negligible
R95	16.1	15.2	15.2	0.0	0.02	Negligible
R96	14.6	13.8	13.8	0.0	0.01	Negligible
R97	17.0	16.1	16.2	0.0	0.02	Negligible
R98	14.4	13.6	13.6	0.0	0.04	Negligible
R99	14.7	13.9	13.9	0.0	0.04	Negligible
R100	16.7	15.7	15.7	0.0	0.05	Negligible
R101	14.7	13.8	13.8	0.0	0.03	Negligible
R102	13.2	12.3	12.3	0.0	0.02	Negligible
R103	12.9	12.0	12.0	0.0	0.01	Negligible
R104	12.8	12.0	12.0	0.0	0.01	Negligible
R105	14.1	13.3	13.3	0.0	0.02	Negligible
R106	14.2	13.4	13.4	0.0	0.02	Negligible
R107	14.8	13.9	13.9	0.0	0.04	Negligible
R108	17.0	16.1	16.1	0.0	0.06	Negligible
R109	18.6	17.6	17.7	0.1	0.17	Negligible
R110	16.7	15.8	15.9	0.0	0.07	Negligible

Table 4.5.9: Predicted $PM_{2.5}$ Concentration Changes due to 2034 Completion Year Traffic

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R1	8.0	7.5	7.5	0.0	0.19	Negligible
R2	7.8	7.2	6.9	-0.3	-1.38	Negligible
R3	7.5	6.9	6.9	0.0	-0.02	Negligible
R4	7.6	7.0	7.0	0.0	-0.14	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R5	7.9	7.3	7.0	-0.3	-1.29	Negligible
R6	8.0	7.3	7.1	-0.2	-1.18	Negligible
R7	6.6	6.0	6.0	0.0	0.14	Negligible
R8	7.2	6.7	6.9	0.2	1.00	Negligible
R9	7.6	7.1	7.4	0.3	1.71	Negligible
R10	6.8	6.2	6.3	0.1	0.50	Negligible
R11	7.5	6.9	7.0	0.0	0.18	Negligible
R12	9.6	8.8	9.0	0.1	0.55	Negligible
R13	9.0	8.3	8.4	0.1	0.46	Negligible
R14	10.6	9.8	9.9	0.2	0.76	Negligible
R15	10.2	9.5	9.6	0.1	0.72	Negligible
R16	8.1	7.3	7.4	0.1	0.33	Negligible
R17	7.2	6.5	6.5	0.0	0.17	Negligible
R18	7.5	6.9	7.0	0.1	0.30	Negligible
R19	7.0	6.4	6.4	-0.1	-0.35	Negligible
R20	7.1	6.4	6.5	0.1	0.38	Negligible
R21	7.2	6.6	6.7	0.1	0.38	Negligible
R22	7.4	7.2	7.1	0.0	-0.20	Negligible
R23	7.4	6.8	6.9	0.1	0.34	Negligible
R24	7.0	6.5	6.6	0.1	0.36	Negligible
R25	7.0	6.5	6.5	0.1	0.36	Negligible
R26	6.7	6.1	6.1	-0.1	-0.28	Negligible
R27	6.6	6.0	6.0	0.0	-0.13	Negligible
R28	8.0	7.7	7.0	-0.7	-3.54	Negligible
R29	8.8	8.7	7.8	-0.9	-4.32	Negligible
R30	8.9	8.4	7.6	-0.7	-3.71	Negligible
R31	7.8	7.3	6.9	-0.3	-1.67	Negligible
R32	7.5	7.0	7.5	0.5	2.34	Negligible
R33	8.2	7.7	8.1	0.4	1.75	Negligible
R34	7.7	7.1	7.2	0.1	0.67	Negligible
R35	8.2	7.8	8.0	0.2	1.10	Negligible
R36	8.2	7.6	7.8	0.2	0.87	Negligible
R37	8.6	8.1	8.4	0.3	1.36	Negligible
R38	8.7	8.3	8.6	0.2	1.13	Negligible
R39	9.1	8.9	9.0	0.1	0.74	Negligible
R40	12.4	12.3	12.3	0.0	-0.13	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R41	10.3	9.8	9.8	0.1	0.34	Negligible
R42	9.9	9.3	9.4	0.1	0.37	Negligible
R43	7.8	7.3	7.4	0.1	0.37	Negligible
R44	8.0	7.4	7.5	0.1	0.53	Negligible
R45	8.5	7.8	7.8	0.0	-0.03	Negligible
R46	9.2	8.2	8.2	0.0	-0.14	Negligible
R47	8.4	7.7	7.7	0.0	-0.15	Negligible
R48	7.3	6.5	6.5	0.0	0.22	Negligible
R49	7.1	6.5	6.5	0.0	0.10	Negligible
R50	7.3	6.6	6.6	0.0	0.09	Negligible
R51	6.8	6.3	6.4	0.1	0.50	Negligible
R52	7.2	6.6	6.6	0.0	-0.09	Negligible
R53	8.5	7.9	8.2	0.3	1.45	Negligible
R54	9.8	9.2	9.5	0.3	1.60	Negligible
R55	8.2	8.0	8.2	0.2	1.14	Negligible
R56	9.4	8.8	9.2	0.3	1.66	Negligible
R57	9.3	8.7	9.0	0.3	1.35	Negligible
R58	7.5	6.9	7.0	0.1	0.57	Negligible
R59	7.6	7.0	7.1	0.1	0.58	Negligible
R60	7.9	7.2	7.3	0.1	0.49	Negligible
R61	8.1	7.7	7.6	0.0	-0.19	Negligible
R62	7.7	7.2	7.2	0.0	-0.13	Negligible
R63	8.1	7.6	7.6	0.0	-0.19	Negligible
R64	8.1	7.4	7.4	0.0	0.00	Negligible
R65	7.4	6.7	6.7	0.0	-0.17	Negligible
R66	9.3	8.7	8.7	-0.1	-0.28	Negligible
R67	9.0	8.8	9.0	0.2	0.82	Negligible
R68	9.5	8.9	9.0	0.1	0.59	Negligible
R69	8.2	7.8	8.0	0.1	0.69	Negligible
R70	7.7	7.2	7.3	0.2	0.77	Negligible
R71	7.5	6.9	7.1	0.2	0.76	Negligible
R72	7.6	7.1	7.3	0.2	0.99	Negligible
R73	6.9	6.3	6.3	0.0	-0.18	Negligible
R74	6.9	6.4	6.3	0.0	-0.24	Negligible
R75	6.8	6.2	6.1	0.0	-0.18	Negligible
R76	7.5	6.8	6.8	-0.1	-0.34	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R77	7.2	6.5	6.5	-0.1	-0.35	Negligible
R78	8.2	7.5	7.5	0.0	-0.01	Negligible
R79	8.5	7.8	7.8	0.0	0.16	Negligible
R80	10.1	9.3	9.4	0.0	0.19	Negligible
R81	7.7	7.2	7.3	0.1	0.29	Negligible
R82	8.0	7.7	7.7	0.1	0.39	Negligible
R83	7.3	6.8	6.8	0.0	0.19	Negligible
R84	7.9	7.4	7.5	0.1	0.32	Negligible
R85	7.7	7.2	7.2	0.0	0.18	Negligible
R86	7.6	7.0	6.9	-0.1	-0.27	Negligible
R87	8.2	7.6	7.4	-0.2	-0.84	Negligible
R88	7.4	6.9	6.9	0.0	0.15	Negligible
R89	7.2	6.7	6.7	0.0	0.15	Negligible
R90	13.1	12.1	12.2	0.1	0.36	Negligible
R91	7.4	6.8	6.7	-0.1	-0.31	Negligible
R92	7.4	6.7	6.7	0.0	-0.12	Negligible
R93	13.5	12.4	12.5	0.1	0.49	Negligible
R94	12.0	11.1	11.2	0.1	0.38	Negligible
R95	9.4	8.6	8.6	0.0	0.02	Negligible
R96	8.6	7.8	7.8	0.0	0.01	Negligible
R97	9.4	8.6	8.6	0.0	0.02	Negligible
R98	8.1	7.4	7.4	0.0	0.04	Negligible
R99	8.7	7.9	7.9	0.0	0.04	Negligible
R100	9.7	8.9	8.9	0.0	0.05	Negligible
R101	8.6	7.8	7.8	0.0	0.03	Negligible
R102	8.0	7.2	7.2	0.0	0.02	Negligible
R103	7.8	7.1	7.1	0.0	0.01	Negligible
R104	7.4	6.7	6.7	0.0	0.01	Negligible
R105	7.8	7.0	7.0	0.0	0.02	Negligible
R106	8.2	7.4	7.5	0.0	0.02	Negligible
R107	8.4	7.7	7.7	0.0	0.04	Negligible
R108	8.7	7.9	7.9	0.0	0.06	Negligible
R109	9.5	8.7	8.7	0.0	0.18	Negligible
R110	8.5	7.7	7.8	0.0	0.08	Negligible

2034 Baseline vs 2034 Completion Year, including Tritax Application (Sensitivity Test)

Table 4.5.10: Predicted NO_2 Concentration Changes due to 2034 Completion Year Traffic, including Tritax Application

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R1	14.7	9.9	10.1	0.2	0.43	Negligible
R2	14.2	8.4	7.8	-0.6	-1.50	Negligible
R3	12.5	7.7	7.8	0.1	0.27	Negligible
R4	13.3	7.9	7.9	0.0	0.10	Negligible
R5	14.7	8.5	8.0	-0.4	-1.08	Negligible
R6	15.2	8.6	8.2	-0.4	-0.87	Negligible
R7	6.4	4.5	4.5	0.1	0.15	Negligible
R8	11.0	6.1	6.4	0.3	0.80	Negligible
R9	12.6	6.0	6.6	0.6	1.45	Negligible
R10	8.1	4.7	4.9	0.2	0.43	Negligible
R11	13.3	6.5	6.6	0.1	0.20	Negligible
R12	21.9	8.5	8.7	0.2	0.40	Negligible
R13	19.1	7.7	7.8	0.1	0.33	Negligible
R14	26.2	9.8	10.0	0.2	0.55	Negligible
R15	24.8	9.4	9.6	0.2	0.55	Negligible
R16	14.4	6.3	6.4	0.1	0.25	Negligible
R17	10.9	5.5	5.5	0.1	0.15	Negligible
R18	12.6	7.7	7.9	0.2	0.53	Negligible
R19	8.5	5.3	5.2	-0.1	-0.15	Negligible
R20	10.8	5.8	5.9	0.2	0.43	Negligible
R21	11.7	6.1	6.3	0.2	0.45	Negligible
R22	11.3	6.8	6.9	0.1	0.20	Negligible
R23	10.7	5.9	6.1	0.2	0.55	Negligible
R24	9.0	5.5	5.7	0.2	0.53	Negligible
R25	8.6	5.3	5.5	0.2	0.53	Negligible
R26	6.6	4.7	4.6	-0.1	-0.30	Negligible
R27	6.7	4.7	4.6	0.0	-0.13	Negligible
R28	16.4	12.7	7.6	-5.1	-12.70	Moderate Benefit
R29	21.0	11.0	7.9	-3.1	-7.83	Minor Benefit
R30	22.8	11.3	8.2	-3.2	-7.90	Minor Benefit
R31	14.5	7.7	6.6	-1.1	-2.65	Negligible
R32	13.1	7.0	7.9	1.0	2.48	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R33	14.7	7.6	8.4	0.8	2.08	Negligible
R34	12.9	6.9	7.6	0.7	1.75	Negligible
R35	14.3	7.5	7.9	0.4	1.03	Negligible
R36	14.7	7.3	7.7	0.4	0.90	Negligible
R37	15.0	7.8	8.4	0.6	1.43	Negligible
R38	15.6	8.2	8.7	0.4	1.10	Negligible
R39	17.5	9.1	9.4	0.3	0.67	Negligible
R40	32.5	15.6	15.5	-0.1	-0.15	Negligible
R41	25.3	12.8	13.0	0.2	0.45	Negligible
R42	22.7	12.2	12.4	0.2	0.47	Negligible
R43	10.6	6.4	6.6	0.1	0.37	Negligible
R44	11.4	6.6	6.8	0.2	0.50	Negligible
R45	13.3	7.1	7.1	0.0	0.08	Negligible
R46	18.6	8.4	8.4	-0.1	-0.20	Negligible
R47	14.5	7.4	7.7	0.3	0.73	Negligible
R48	10.9	5.7	6.7	1.0	2.55	Negligible
R49	9.8	6.3	6.4	0.1	0.25	Negligible
R50	11.0	6.4	6.5	0.1	0.25	Negligible
R51	8.2	5.4	5.7	0.2	0.58	Negligible
R52	11.1	6.8	6.9	0.1	0.23	Negligible
R53	19.7	10.1	11.1	0.9	2.30	Negligible
R54	27.7	13.2	14.0	0.8	1.98	Negligible
R55	17.5	9.9	11.0	1.0	2.58	Negligible
R56	27.1	14.9	16.4	1.6	3.95	Negligible
R57	24.0	12.4	13.6	1.2	2.93	Negligible
R58	13.5	8.2	8.6	0.4	0.90	Negligible
R59	14.5	8.9	9.3	0.4	0.98	Negligible
R60	19.6	11.2	11.6	0.4	1.03	Negligible
R61	16.0	8.0	8.0	0.0	-0.13	Negligible
R62	13.7	7.2	7.1	0.0	-0.08	Negligible
R63	16.8	8.7	8.7	-0.1	-0.15	Negligible
R64	14.8	7.6	7.7	0.0	0.10	Negligible
R65	11.4	6.1	6.1	-0.1	-0.23	Negligible
R66	22.6	10.7	10.8	0.1	0.25	Negligible
R67	22.3	12.2	12.7	0.6	1.43	Negligible
R68	21.2	10.0	10.5	0.5	1.20	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R69	17.4	9.3	10.1	0.8	2.05	Negligible
R70	14.3	8.0	9.0	1.0	2.40	Negligible
R71	13.4	7.2	7.8	0.6	1.38	Negligible
R72	13.2	7.2	7.9	0.7	1.70	Negligible
R73	9.3	5.8	5.7	-0.1	-0.15	Negligible
R74	9.2	5.6	5.5	-0.1	-0.15	Negligible
R75	7.8	5.0	4.9	0.0	-0.10	Negligible
R76	12.2	6.9	6.5	-0.3	-0.85	Negligible
R77	10.9	6.6	5.9	-0.6	-1.58	Negligible
R78	16.1	8.2	8.2	0.0	0.10	Negligible
R79	18.8	9.3	9.4	0.1	0.25	Negligible
R80	31.5	15.2	15.4	0.2	0.38	Negligible
R81	12.2	7.0	7.1	0.0	0.13	Negligible
R82	14.1	7.6	7.7	0.1	0.15	Negligible
R83	10.4	6.2	6.2	0.0	0.10	Negligible
R84	13.2	7.3	7.4	0.0	0.13	Negligible
R85	13.9	8.6	8.6	0.1	0.13	Negligible
R86	10.9	6.2	6.2	-0.1	-0.18	Negligible
R87	14.6	7.5	7.3	-0.2	-0.53	Negligible
R88	9.9	6.1	6.1	0.0	0.02	Negligible
R89	8.8	6.3	6.4	0.1	0.15	Negligible
R90	44.9	22.6	22.8	0.2	0.60	Negligible
R91	11.9	6.9	6.5	-0.3	-0.85	Negligible
R92	10.3	6.3	6.1	-0.2	-0.45	Negligible
R93	38.1	20.3	20.6	0.3	0.67	Negligible
R94	31.9	17.6	17.8	0.2	0.58	Negligible
R95	21.8	10.9	10.9	0.0	0.05	Negligible
R96	16.8	8.9	8.9	0.0	0.02	Negligible
R97	23.2	11.6	11.6	0.0	0.02	Negligible
R98	14.1	7.9	7.9	0.0	0.05	Negligible
R99	18.5	11.9	11.9	0.0	0.10	Negligible
R100	24.4	13.7	13.7	0.0	0.12	Negligible
R101	18.4	10.6	10.6	0.0	0.07	Negligible
R102	16.2	11.4	11.4	0.0	0.05	Negligible
R103	15.4	11.2	11.2	0.0	0.02	Negligible
R104	14.1	7.8	7.8	0.0	0.02	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R105	13.6	7.3	7.4	0.0	0.02	Negligible
R106	14.7	8.2	8.2	0.0	0.02	Negligible
R107	15.3	8.3	8.3	0.0	0.08	Negligible
R108	18.4	9.2	9.3	0.1	0.15	Negligible
R109	23.6	11.1	11.3	0.2	0.48	Negligible
R110	16.6	8.8	8.9	0.1	0.15	Negligible

Table 4.5.11: Predicted PM_{10} Concentration Changes due to 2034 Completion Year Traffic, including Tritax Application

Receptor ID	Annual Mean PM_{10} Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R1	16.5	16.0	16.1	0.1	0.23	Negligible
R2	16.0	15.4	14.9	-0.5	-1.24	Negligible
R3	15.5	14.9	14.9	0.0	0.00	Negligible
R4	15.7	15.1	15.0	0.0	-0.08	Negligible
R5	16.2	15.6	15.1	-0.4	-1.12	Negligible
R6	16.3	15.7	15.3	-0.4	-0.98	Negligible
R7	13.1	12.4	12.4	0.1	0.14	Negligible
R8	12.8	12.3	12.7	0.4	1.03	Negligible
R9	14.0	13.4	14.2	0.7	1.85	Negligible
R10	12.5	11.8	12.0	0.2	0.54	Negligible
R11	14.1	13.4	13.5	0.1	0.20	Negligible
R12	17.5	16.6	16.8	0.2	0.52	Negligible
R13	16.4	15.5	15.7	0.2	0.44	Negligible
R14	19.4	18.4	18.7	0.3	0.71	Negligible
R15	18.8	17.8	18.1	0.3	0.68	Negligible
R16	14.6	13.7	13.8	0.1	0.29	Negligible
R17	13.5	12.7	12.8	0.1	0.15	Negligible
R18	15.5	14.9	15.0	0.1	0.32	Negligible
R19	13.5	13.0	12.9	-0.1	-0.26	Negligible
R20	12.9	12.2	12.3	0.1	0.33	Negligible
R21	13.1	12.5	12.6	0.1	0.31	Negligible
R22	13.9	13.9	13.8	-0.1	-0.13	Negligible
R23	13.9	13.2	13.3	0.2	0.38	Negligible
R24	13.3	12.8	12.9	0.2	0.39	Negligible
R25	13.2	12.7	12.8	0.2	0.38	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R26	12.5	12.0	11.9	-0.1	-0.36	Negligible
R27	12.2	11.6	11.6	-0.1	-0.14	Negligible
R28	14.7	14.7	13.4	-1.3	-3.29	Negligible
R29	16.2	16.5	14.2	-2.2	-5.60	Minor Benefit
R30	16.3	15.9	14.2	-1.7	-4.29	Negligible
R31	14.2	13.8	13.0	-0.8	-2.02	Negligible
R32	14.2	13.7	14.6	0.9	2.18	Negligible
R33	14.7	14.5	15.1	0.7	1.69	Negligible
R34	13.9	13.2	13.5	0.3	0.63	Negligible
R35	14.8	14.7	15.1	0.4	1.03	Negligible
R36	14.9	14.3	14.7	0.3	0.83	Negligible
R37	15.2	14.8	15.4	0.5	1.36	Negligible
R38	15.4	15.3	15.7	0.4	1.12	Negligible
R39	16.1	16.2	16.5	0.3	0.71	Negligible
R40	21.8	22.5	22.4	0.0	-0.10	Negligible
R41	18.0	17.6	17.7	0.1	0.30	Negligible
R42	17.1	16.7	16.8	0.1	0.32	Negligible
R43	13.4	12.9	13.0	0.1	0.32	Negligible
R44	13.6	13.1	13.3	0.2	0.46	Negligible
R45	14.4	13.6	13.6	0.0	-0.02	Negligible
R46	15.9	14.7	14.5	-0.2	-0.56	Negligible
R47	14.5	13.8	14.0	0.2	0.46	Negligible
R48	14.1	13.0	13.9	0.8	2.04	Negligible
R49	13.7	13.2	13.2	0.1	0.13	Negligible
R50	14.1	13.3	13.4	0.1	0.19	Negligible
R51	13.1	12.6	12.8	0.2	0.59	Negligible
R52	13.3	12.8	12.8	0.0	0.00	Negligible
R53	17.1	16.5	17.1	0.5	1.35	Negligible
R54	19.2	18.6	19.2	0.6	1.51	Negligible
R55	16.6	16.7	17.7	1.1	2.72	Negligible
R56	18.6	18.2	19.0	0.7	1.85	Negligible
R57	18.4	18.0	18.7	0.7	1.67	Negligible
R58	14.3	13.7	13.9	0.2	0.54	Negligible
R59	14.0	13.4	13.6	0.2	0.55	Negligible
R60	13.8	13.1	13.3	0.2	0.42	Negligible
R61	15.1	14.8	14.7	-0.1	-0.18	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R62	14.2	13.8	13.7	-0.1	-0.13	Negligible
R63	14.6	14.3	14.2	-0.1	-0.17	Negligible
R64	13.7	12.9	13.0	0.0	0.01	Negligible
R65	15.5	14.7	14.7	-0.1	-0.17	Negligible
R66	18.6	18.2	18.1	-0.1	-0.27	Negligible
R67	16.1	16.3	16.6	0.3	0.70	Negligible
R68	16.8	16.3	16.5	0.2	0.54	Negligible
R69	15.2	14.9	15.2	0.2	0.61	Negligible
R70	14.3	13.9	14.2	0.3	0.68	Negligible
R71	13.1	12.6	12.9	0.3	0.68	Negligible
R72	13.2	12.7	13.1	0.4	0.92	Negligible
R73	12.5	11.9	11.9	-0.1	-0.17	Negligible
R74	12.0	11.4	11.3	-0.1	-0.24	Negligible
R75	11.9	11.2	11.2	-0.1	-0.17	Negligible
R76	13.5	12.8	12.7	-0.1	-0.28	Negligible
R77	13.0	12.2	12.1	-0.1	-0.31	Negligible
R78	17.3	16.6	16.6	0.0	0.01	Negligible
R79	17.7	17.0	17.1	0.1	0.16	Negligible
R80	18.3	17.6	17.7	0.1	0.16	Negligible
R81	13.3	12.9	13.1	0.1	0.32	Negligible
R82	14.2	14.0	14.2	0.2	0.44	Negligible
R83	12.9	12.4	12.5	0.1	0.21	Negligible
R84	13.6	13.3	13.4	0.1	0.36	Negligible
R85	13.9	13.4	13.5	0.1	0.16	Negligible
R86	14.1	13.4	13.3	-0.1	-0.31	Negligible
R87	14.2	13.7	13.4	-0.3	-0.83	Negligible
R88	13.9	13.5	13.6	0.1	0.13	Negligible
R89	13.0	12.5	12.5	0.0	0.12	Negligible
R90	24.0	23.3	23.4	0.1	0.32	Negligible
R91	13.4	12.8	12.7	-0.1	-0.27	Negligible
R92	12.9	12.2	12.1	0.0	-0.10	Negligible
R93	23.9	22.6	22.8	0.2	0.46	Negligible
R94	21.2	20.1	20.2	0.1	0.36	Negligible
R95	16.1	15.2	15.2	0.0	0.02	Negligible
R96	14.6	13.8	13.8	0.0	0.01	Negligible
R97	17.0	16.1	16.2	0.0	0.02	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R98	14.4	13.6	13.6	0.0	0.04	Negligible
R99	14.7	13.9	13.9	0.0	0.04	Negligible
R100	16.7	15.7	15.7	0.0	0.05	Negligible
R101	14.7	13.8	13.8	0.0	0.03	Negligible
R102	13.2	12.3	12.3	0.0	0.02	Negligible
R103	12.9	12.0	12.0	0.0	0.01	Negligible
R104	12.8	12.0	12.0	0.0	0.01	Negligible
R105	14.1	13.3	13.3	0.0	0.02	Negligible
R106	14.2	13.4	13.4	0.0	0.02	Negligible
R107	14.8	13.9	13.9	0.0	0.04	Negligible
R108	17.0	16.1	16.1	0.0	0.06	Negligible
R109	18.6	17.6	17.7	0.1	0.17	Negligible
R110	16.7	15.8	15.9	0.0	0.07	Negligible

Table 4.5.12: Predicted $PM_{2.5}$ Concentration Changes due to 2034 Completion Year Traffic, including Tritax Application

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R1	8.0	7.5	7.5	0.0	0.23	Negligible
R2	7.8	7.2	6.9	-0.3	-1.35	Negligible
R3	7.5	6.9	6.9	0.0	0.01	Negligible
R4	7.6	7.0	7.0	0.0	-0.08	Negligible
R5	7.9	7.3	7.0	-0.2	-1.22	Negligible
R6	8.0	7.3	7.1	-0.2	-1.06	Negligible
R7	6.6	6.0	6.0	0.0	0.15	Negligible
R8	7.2	6.7	6.9	0.2	1.09	Negligible
R9	7.6	7.1	7.5	0.4	1.96	Negligible
R10	6.8	6.2	6.3	0.1	0.57	Negligible
R11	7.5	6.9	7.0	0.0	0.22	Negligible
R12	9.6	8.8	9.0	0.1	0.56	Negligible
R13	9.0	8.3	8.4	0.1	0.46	Negligible
R14	10.6	9.8	9.9	0.2	0.76	Negligible
R15	10.2	9.5	9.6	0.1	0.72	Negligible
R16	8.1	7.3	7.4	0.1	0.31	Negligible
R17	7.2	6.5	6.5	0.0	0.16	Negligible
R18	7.5	6.9	7.0	0.1	0.37	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R19	7.0	6.4	6.4	-0.1	-0.27	Negligible
R20	7.1	6.4	6.5	0.1	0.39	Negligible
R21	7.2	6.6	6.7	0.1	0.37	Negligible
R22	7.4	7.2	7.1	0.0	-0.13	Negligible
R23	7.4	6.8	6.9	0.1	0.42	Negligible
R24	7.0	6.5	6.6	0.1	0.42	Negligible
R25	7.0	6.5	6.5	0.1	0.41	Negligible
R26	6.7	6.1	6.0	-0.1	-0.38	Negligible
R27	6.6	6.0	6.0	0.0	-0.15	Negligible
R28	8.0	7.7	7.0	-0.7	-3.54	Negligible
R29	8.8	8.7	7.5	-1.2	-5.92	Negligible
R30	8.9	8.4	7.5	-0.9	-4.56	Negligible
R31	7.8	7.3	6.8	-0.4	-2.12	Negligible
R32	7.5	7.0	7.5	0.5	2.43	Negligible
R33	8.2	7.7	8.1	0.4	1.82	Negligible
R34	7.7	7.1	7.2	0.1	0.72	Negligible
R35	8.2	7.8	8.0	0.2	1.11	Negligible
R36	8.2	7.6	7.8	0.2	0.90	Negligible
R37	8.6	8.1	8.4	0.3	1.47	Negligible
R38	8.7	8.3	8.6	0.2	1.20	Negligible
R39	9.1	8.9	9.0	0.2	0.77	Negligible
R40	12.4	12.3	12.3	0.0	-0.10	Negligible
R41	10.3	9.8	9.8	0.1	0.33	Negligible
R42	9.9	9.3	9.4	0.1	0.35	Negligible
R43	7.8	7.3	7.4	0.1	0.35	Negligible
R44	8.0	7.4	7.5	0.1	0.50	Negligible
R45	8.5	7.8	7.8	0.0	-0.01	Negligible
R46	9.2	8.2	8.1	-0.1	-0.57	Negligible
R47	8.4	7.7	7.9	0.1	0.52	Negligible
R48	7.3	6.5	6.9	0.5	2.25	Negligible
R49	7.1	6.5	6.5	0.0	0.16	Negligible
R50	7.3	6.6	6.6	0.0	0.22	Negligible
R51	6.8	6.3	6.5	0.1	0.64	Negligible
R52	7.2	6.6	6.6	0.0	0.01	Negligible
R53	8.5	7.9	8.2	0.3	1.60	Negligible
R54	9.8	9.2	9.5	0.4	1.80	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R55	8.2	8.0	8.6	0.6	2.95	Negligible
R56	9.4	8.8	9.3	0.4	2.18	Negligible
R57	9.3	8.7	9.1	0.4	1.87	Negligible
R58	7.5	6.9	7.0	0.1	0.61	Negligible
R59	7.6	7.0	7.1	0.1	0.62	Negligible
R60	7.9	7.2	7.3	0.1	0.51	Negligible
R61	8.1	7.7	7.6	0.0	-0.20	Negligible
R62	7.7	7.2	7.2	0.0	-0.13	Negligible
R63	8.1	7.6	7.6	0.0	-0.19	Negligible
R64	8.1	7.4	7.4	0.0	0.02	Negligible
R65	7.4	6.7	6.7	0.0	-0.19	Negligible
R66	9.3	8.7	8.7	-0.1	-0.27	Negligible
R67	9.0	8.8	9.0	0.2	0.82	Negligible
R68	9.5	8.9	9.0	0.1	0.59	Negligible
R69	8.2	7.8	8.0	0.1	0.70	Negligible
R70	7.7	7.2	7.3	0.2	0.79	Negligible
R71	7.5	6.9	7.1	0.2	0.78	Negligible
R72	7.6	7.1	7.3	0.2	1.01	Negligible
R73	6.9	6.3	6.3	0.0	-0.18	Negligible
R74	6.9	6.4	6.3	0.0	-0.25	Negligible
R75	6.8	6.2	6.1	0.0	-0.18	Negligible
R76	7.5	6.8	6.8	-0.1	-0.30	Negligible
R77	7.2	6.5	6.5	-0.1	-0.34	Negligible
R78	8.2	7.5	7.5	0.0	0.01	Negligible
R79	8.5	7.8	7.8	0.0	0.19	Negligible
R80	10.1	9.3	9.4	0.0	0.20	Negligible
R81	7.7	7.2	7.3	0.1	0.34	Negligible
R82	8.0	7.7	7.7	0.1	0.47	Negligible
R83	7.3	6.8	6.9	0.0	0.23	Negligible
R84	7.9	7.4	7.5	0.1	0.38	Negligible
R85	7.7	7.2	7.2	0.0	0.18	Negligible
R86	7.6	7.0	6.9	-0.1	-0.33	Negligible
R87	8.2	7.6	7.4	-0.2	-0.87	Negligible
R88	7.4	6.9	6.9	0.0	0.13	Negligible
R89	7.2	6.7	6.7	0.0	0.13	Negligible
R90	13.1	12.1	12.2	0.1	0.39	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R91	7.4	6.8	6.7	-0.1	-0.29	Negligible
R92	7.4	6.7	6.7	0.0	-0.11	Negligible
R93	13.5	12.4	12.5	0.1	0.49	Negligible
R94	12.0	11.1	11.2	0.1	0.38	Negligible
R95	9.4	8.6	8.6	0.0	0.02	Negligible
R96	8.6	7.8	7.8	0.0	0.01	Negligible
R97	9.4	8.6	8.6	0.0	0.02	Negligible
R98	8.1	7.4	7.4	0.0	0.04	Negligible
R99	8.7	7.9	7.9	0.0	0.04	Negligible
R100	9.7	8.9	8.9	0.0	0.05	Negligible
R101	8.6	7.8	7.8	0.0	0.03	Negligible
R102	8.0	7.2	7.2	0.0	0.02	Negligible
R103	7.8	7.1	7.1	0.0	0.01	Negligible
R104	7.4	6.7	6.7	0.0	0.01	Negligible
R105	7.8	7.0	7.0	0.0	0.02	Negligible
R106	8.2	7.4	7.5	0.0	0.02	Negligible
R107	8.4	7.7	7.7	0.0	0.04	Negligible
R108	8.7	7.9	7.9	0.0	0.06	Negligible
R109	9.5	8.7	8.7	0.0	0.18	Negligible
R110	8.5	7.7	7.8	0.0	0.08	Negligible

2042 Baseline vs 2042 Completion Year (Do Something)

Table 4.5.13: Predicted NO_2 Concentration Changes due to 2042 End of Local Plan Year Traffic

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R1	14.7	9.1	9.3	0.2	0.40	Negligible
R2	14.2	7.5	7.0	-0.6	-1.38	Negligible
R3	12.5	6.8	6.9	0.1	0.28	Negligible
R4	13.3	7.0	7.0	0.0	0.02	Negligible
R5	14.7	7.4	7.1	-0.4	-0.90	Negligible
R6	15.2	7.5	7.2	-0.3	-0.75	Negligible
R7	6.4	4.1	4.2	0.0	0.08	Negligible
R8	11.0	5.2	5.3	0.1	0.20	Negligible
R9	12.6	5.0	5.2	0.2	0.40	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R10	8.1	4.2	4.2	0.0	0.13	Negligible
R11	13.3	5.3	5.4	0.0	0.05	Negligible
R12	21.9	6.3	6.3	0.0	0.10	Negligible
R13	19.1	5.8	5.8	0.0	0.08	Negligible
R14	26.2	6.9	7.0	0.1	0.20	Negligible
R15	24.8	6.7	6.8	0.1	0.20	Negligible
R16	14.4	5.0	5.1	0.0	0.13	Negligible
R17	10.9	4.6	4.7	0.0	0.10	Negligible
R18	12.6	6.8	6.9	0.2	0.43	Negligible
R19	8.5	4.7	4.6	0.0	-0.08	Negligible
R20	10.8	5.0	5.1	0.1	0.25	Negligible
R21	11.7	5.3	5.4	0.1	0.23	Negligible
R22	11.3	5.6	5.9	0.3	0.63	Negligible
R23	10.7	5.1	5.3	0.3	0.63	Negligible
R24	9.0	4.8	5.0	0.2	0.55	Negligible
R25	8.6	4.7	4.8	0.1	0.35	Negligible
R26	6.6	4.4	4.3	-0.1	-0.37	Negligible
R27	6.7	4.4	4.3	-0.1	-0.18	Negligible
R28	16.4	10.5	8.9	-1.6	-3.93	Negligible
R29	21.0	8.7	7.2	-1.4	-3.60	Negligible
R30	22.8	9.1	7.7	-1.4	-3.55	Negligible
R31	14.5	6.4	5.9	-0.5	-1.30	Negligible
R32	13.1	5.9	6.5	0.7	1.70	Negligible
R33	14.7	6.2	6.9	0.7	1.68	Negligible
R34	12.9	5.7	6.4	0.7	1.68	Negligible
R35	14.3	6.1	6.4	0.3	0.77	Negligible
R36	14.7	6.1	6.3	0.2	0.60	Negligible
R37	15.0	6.6	7.2	0.6	1.48	Negligible
R38	15.6	6.8	7.3	0.5	1.18	Negligible
R39	17.5	7.4	7.7	0.3	0.73	Negligible
R40	32.5	11.9	12.0	0.1	0.25	Negligible
R41	25.3	10.7	10.8	0.1	0.27	Negligible
R42	22.7	10.5	10.6	0.1	0.25	Negligible
R43	10.6	5.6	5.7	0.1	0.20	Negligible
R44	11.4	5.7	5.8	0.1	0.33	Negligible
R45	13.3	6.1	6.1	0.0	0.05	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R46	18.6	7.1	7.3	0.2	0.38	Negligible
R47	14.5	6.4	6.5	0.1	0.30	Negligible
R48	10.9	5.2	5.3	0.1	0.23	Negligible
R49	9.8	5.6	5.7	0.1	0.15	Negligible
R50	11.0	5.8	5.8	0.0	0.02	Negligible
R51	8.2	4.9	5.0	0.1	0.28	Negligible
R52	11.1	6.0	6.2	0.2	0.53	Negligible
R53	19.7	8.6	9.3	0.8	1.98	Negligible
R54	27.7	10.7	11.3	0.6	1.48	Negligible
R55	17.5	8.4	8.8	0.4	1.03	Negligible
R56	27.1	12.6	13.6	0.9	2.35	Negligible
R57	24.0	10.4	11.0	0.6	1.55	Negligible
R58	13.5	7.1	7.4	0.3	0.83	Negligible
R59	14.5	7.6	8.0	0.4	0.97	Negligible
R60	19.6	9.6	10.0	0.4	0.93	Negligible
R61	16.0	6.6	6.6	0.0	-0.08	Negligible
R62	13.7	6.0	6.0	0.0	-0.05	Negligible
R63	16.8	7.3	7.3	0.0	-0.08	Negligible
R64	14.8	6.6	6.6	0.0	0.02	Negligible
R65	11.4	5.4	5.3	-0.1	-0.18	Negligible
R66	22.6	8.8	8.6	-0.1	-0.35	Negligible
R67	22.3	10.0	10.3	0.3	0.83	Negligible
R68	21.2	8.2	8.6	0.4	0.87	Negligible
R69	17.4	8.0	8.6	0.7	1.68	Negligible
R70	14.3	7.1	7.8	0.8	1.88	Negligible
R71	13.4	6.3	6.7	0.4	1.05	Negligible
R72	13.2	6.3	6.8	0.5	1.30	Negligible
R73	9.3	5.1	5.1	0.0	-0.02	Negligible
R74	9.2	4.9	4.9	0.0	-0.02	Negligible
R75	7.8	4.4	4.4	0.0	0.00	Negligible
R76	12.2	6.2	6.3	0.0	0.13	Negligible
R77	10.9	5.8	6.2	0.3	0.85	Negligible
R78	16.1	7.1	7.0	0.0	-0.05	Negligible
R79	18.8	8.0	8.0	0.0	0.02	Negligible
R80	31.5	12.7	12.8	0.1	0.23	Negligible
R81	12.2	6.4	6.3	-0.1	-0.33	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R82	14.1	6.9	6.7	-0.2	-0.50	Negligible
R83	10.4	5.7	5.6	-0.1	-0.23	Negligible
R84	13.2	6.7	6.5	-0.2	-0.38	Negligible
R85	13.9	7.9	7.9	0.0	0.05	Negligible
R86	10.9	5.6	5.6	0.0	-0.05	Negligible
R87	14.6	6.5	6.3	-0.2	-0.48	Negligible
R88	9.9	5.6	5.6	0.0	-0.02	Negligible
R89	8.8	5.9	6.0	0.0	0.05	Negligible
R90	44.9	18.8	19.1	0.3	0.68	Negligible
R91	11.9	6.2	6.2	0.0	-0.02	Negligible
R92	10.3	5.7	5.7	0.0	0.00	Negligible
R93	38.1	17.6	17.9	0.3	0.75	Negligible
R94	31.9	15.4	15.6	0.2	0.58	Negligible
R95	21.8	9.4	9.5	0.0	0.05	Negligible
R96	16.8	7.9	7.9	0.0	0.00	Negligible
R97	23.2	10.0	10.1	0.0	0.05	Negligible
R98	14.1	7.0	7.0	0.0	0.08	Negligible
R99	18.5	11.0	11.0	0.0	0.08	Negligible
R100	24.4	12.1	12.2	0.1	0.23	Negligible
R101	18.4	9.5	9.5	0.1	0.15	Negligible
R102	16.2	10.7	10.8	0.0	0.05	Negligible
R103	15.4	10.6	10.6	0.0	0.05	Negligible
R104	14.1	6.9	6.9	0.0	0.05	Negligible
R105	13.6	6.4	6.4	0.0	0.02	Negligible
R106	14.7	7.2	7.2	0.0	0.02	Negligible
R107	15.3	7.3	7.3	0.0	0.05	Negligible
R108	18.4	8.0	8.0	0.1	0.15	Negligible
R109	23.6	9.5	9.7	0.2	0.43	Negligible
R110	16.6	7.8	7.9	0.1	0.15	Negligible

Table 4.5.14: Predicted PM_{10} Concentration Changes due to 2042 End of Local Plan Year Traffic

Receptor ID	Annual Mean PM_{10} Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R1	16.5	15.6	15.7	0.1	0.19	Negligible
R2	16.0	15.1	14.6	-0.5	-1.35	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R3	15.5	14.6	14.6	0.0	-0.02	Negligible
R4	15.7	14.9	14.8	-0.1	-0.16	Negligible
R5	16.2	15.4	14.9	-0.5	-1.24	Negligible
R6	16.3	15.6	15.2	-0.4	-1.11	Negligible
R7	13.1	12.1	12.1	0.0	0.12	Negligible
R8	12.8	12.3	12.5	0.2	0.51	Negligible
R9	14.0	13.6	14.0	0.4	1.01	Negligible
R10	12.5	11.6	11.7	0.1	0.29	Negligible
R11	14.1	13.3	13.3	0.0	0.03	Negligible
R12	17.5	16.6	16.7	0.1	0.24	Negligible
R13	16.4	15.5	15.6	0.1	0.21	Negligible
R14	19.4	18.5	18.6	0.2	0.38	Negligible
R15	18.8	17.9	18.0	0.1	0.37	Negligible
R16	14.6	13.5	13.6	0.1	0.27	Negligible
R17	13.5	12.5	12.5	0.1	0.14	Negligible
R18	15.5	14.6	14.7	0.1	0.29	Negligible
R19	13.5	12.7	12.6	-0.1	-0.35	Negligible
R20	12.9	12.0	12.1	0.1	0.22	Negligible
R21	13.1	12.3	12.4	0.1	0.16	Negligible
R22	13.9	13.5	13.7	0.2	0.43	Negligible
R23	13.9	12.9	13.1	0.2	0.56	Negligible
R24	13.3	12.5	12.7	0.2	0.42	Negligible
R25	13.2	12.4	12.5	0.1	0.33	Negligible
R26	12.5	11.8	11.6	-0.2	-0.38	Negligible
R27	12.2	11.4	11.3	-0.1	-0.19	Negligible
R28	14.7	14.2	13.6	-0.6	-1.53	Negligible
R29	16.2	16.0	14.2	-1.8	-4.50	Negligible
R30	16.3	15.5	14.2	-1.3	-3.20	Negligible
R31	14.2	13.5	12.8	-0.7	-1.86	Negligible
R32	14.2	13.5	14.3	0.8	2.11	Negligible
R33	14.7	14.3	15.0	0.7	1.74	Negligible
R34	13.9	12.8	13.1	0.3	0.79	Negligible
R35	14.8	14.5	14.9	0.4	0.93	Negligible
R36	14.9	14.2	14.5	0.3	0.64	Negligible
R37	15.2	14.6	15.2	0.6	1.42	Negligible
R38	15.4	15.1	15.6	0.4	1.09	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R39	16.1	16.0	16.3	0.3	0.70	Negligible
R40	21.8	21.7	21.8	0.1	0.22	Negligible
R41	18.0	17.2	17.3	0.1	0.14	Negligible
R42	17.1	16.5	16.5	0.1	0.15	Negligible
R43	13.4	12.6	12.7	0.1	0.15	Negligible
R44	13.6	12.8	12.9	0.1	0.35	Negligible
R45	14.4	13.5	13.4	-0.1	-0.14	Negligible
R46	15.9	14.7	14.6	-0.1	-0.16	Negligible
R47	14.5	13.7	13.6	0.0	-0.12	Negligible
R48	14.1	13.1	13.2	0.1	0.31	Negligible
R49	13.7	13.0	13.0	0.0	0.03	Negligible
R50	14.1	13.2	13.3	0.0	0.09	Negligible
R51	13.1	12.3	12.5	0.2	0.60	Negligible
R52	13.3	12.6	12.5	0.0	-0.04	Negligible
R53	17.1	16.4	16.9	0.5	1.26	Negligible
R54	19.2	18.6	19.0	0.5	1.19	Negligible
R55	16.6	16.5	16.8	0.4	0.97	Negligible
R56	18.6	18.0	18.6	0.6	1.56	Negligible
R57	18.4	17.7	18.3	0.5	1.25	Negligible
R58	14.3	13.3	13.5	0.2	0.51	Negligible
R59	14.0	13.0	13.2	0.2	0.56	Negligible
R60	13.8	12.9	13.0	0.1	0.37	Negligible
R61	15.1	14.8	14.7	-0.1	-0.20	Negligible
R62	14.2	13.7	13.7	-0.1	-0.14	Negligible
R63	14.6	14.3	14.2	-0.1	-0.19	Negligible
R64	13.7	12.8	12.8	0.0	-0.11	Negligible
R65	15.5	14.5	14.5	-0.1	-0.21	Negligible
R66	18.6	17.9	17.6	-0.2	-0.61	Negligible
R67	16.1	16.2	16.4	0.2	0.43	Negligible
R68	16.8	16.2	16.4	0.2	0.41	Negligible
R69	15.2	14.9	15.1	0.2	0.55	Negligible
R70	14.3	13.8	14.0	0.2	0.48	Negligible
R71	13.1	12.5	12.8	0.2	0.52	Negligible
R72	13.2	12.8	13.0	0.3	0.71	Negligible
R73	12.5	11.6	11.6	0.0	-0.07	Negligible
R74	12.0	11.1	11.1	0.0	-0.11	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R75	11.9	10.9	10.9	0.0	-0.03	Negligible
R76	13.5	12.8	12.7	-0.1	-0.27	Negligible
R77	13.0	11.9	12.1	0.2	0.47	Negligible
R78	17.3	16.5	16.4	-0.1	-0.25	Negligible
R79	17.7	16.9	16.9	0.0	-0.08	Negligible
R80	18.3	17.4	17.4	0.0	0.02	Negligible
R81	13.3	13.0	13.1	0.1	0.25	Negligible
R82	14.2	14.3	14.4	0.1	0.34	Negligible
R83	12.9	12.4	12.4	0.1	0.16	Negligible
R84	13.6	13.4	13.5	0.1	0.28	Negligible
R85	13.9	13.3	13.4	0.1	0.20	Negligible
R86	14.1	13.1	13.0	-0.1	-0.30	Negligible
R87	14.2	13.6	13.2	-0.4	-0.95	Negligible
R88	13.9	13.3	13.4	0.0	0.08	Negligible
R89	13.0	12.3	12.3	0.0	0.07	Negligible
R90	24.0	23.1	23.2	0.1	0.34	Negligible
R91	13.4	12.6	12.6	0.0	-0.06	Negligible
R92	12.9	11.9	11.9	0.0	-0.01	Negligible
R93	23.9	22.4	22.6	0.2	0.48	Negligible
R94	21.2	19.8	20.0	0.1	0.37	Negligible
R95	16.1	14.9	15.0	0.0	0.02	Negligible
R96	14.6	13.5	13.5	0.0	0.01	Negligible
R97	17.0	15.9	16.0	0.0	0.02	Negligible
R98	14.4	13.3	13.3	0.0	0.04	Negligible
R99	14.7	13.6	13.6	0.0	0.04	Negligible
R100	16.7	15.4	15.4	0.0	0.10	Negligible
R101	14.7	13.5	13.5	0.0	0.06	Negligible
R102	13.2	11.9	12.0	0.0	0.03	Negligible
R103	12.9	11.7	11.7	0.0	0.02	Negligible
R104	12.8	11.7	11.7	0.0	0.01	Negligible
R105	14.1	13.0	13.0	0.0	0.01	Negligible
R106	14.2	13.1	13.1	0.0	0.01	Negligible
R107	14.8	13.6	13.6	0.0	0.03	Negligible
R108	17.0	15.8	15.9	0.0	0.05	Negligible
R109	18.6	17.4	17.5	0.1	0.16	Negligible
R110	16.7	15.6	15.6	0.0	0.07	Negligible

Table 4.5.15: Predicted $PM_{2.5}$ Concentration Changes due to 2042 End of Local Plan Year Traffic (considered against 2040 Air Quality Target)

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R1	8.0	7.1	7.1	0.0	0.39	Negligible
R2	7.8	6.9	6.6	-0.3	-2.96	Negligible
R3	7.5	6.6	6.6	0.0	-0.02	Negligible
R4	7.6	6.8	6.7	0.0	-0.35	Negligible
R5	7.9	7.0	6.8	-0.3	-2.74	Negligible
R6	8.0	7.2	6.9	-0.2	-2.43	Negligible
R7	6.6	5.7	5.7	0.0	0.27	Negligible
R8	7.2	6.6	6.7	0.1	1.10	Negligible
R9	7.6	7.1	7.3	0.2	2.15	Negligible
R10	6.8	6.0	6.0	0.1	0.63	Negligible
R11	7.5	6.7	6.7	0.0	0.06	Negligible
R12	9.6	8.7	8.8	0.1	0.52	Negligible
R13	9.0	8.1	8.2	0.0	0.46	Negligible
R14	10.6	9.7	9.8	0.1	0.81	Minor Adverse
R15	10.2	9.4	9.5	0.1	0.80	Negligible
R16	8.1	7.1	7.1	0.1	0.58	Negligible
R17	7.2	6.3	6.3	0.0	0.31	Negligible
R18	7.5	6.6	6.7	0.1	0.67	Negligible
R19	7.0	6.2	6.1	-0.1	-0.74	Negligible
R20	7.1	6.2	6.3	0.1	0.53	Negligible
R21	7.2	6.4	6.5	0.0	0.39	Negligible
R22	7.4	6.8	6.9	0.1	0.93	Negligible
R23	7.4	6.5	6.6	0.1	1.22	Negligible
R24	7.0	6.3	6.3	0.1	0.92	Negligible
R25	7.0	6.2	6.3	0.1	0.72	Negligible
R26	6.7	5.9	5.8	-0.1	-0.83	Negligible
R27	6.6	5.8	5.7	0.0	-0.42	Negligible
R28	8.0	7.4	7.0	-0.3	-3.25	Negligible
R29	8.8	8.3	7.3	-1.0	-9.56	Moderate Benefit
R30	8.9	8.0	7.4	-0.7	-6.81	Moderate Benefit
R31	7.8	7.0	6.6	-0.4	-3.92	Negligible
R32	7.5	6.8	7.2	0.5	4.71	Negligible
R33	8.2	7.5	7.9	0.4	3.78	Minor Adverse
R34	7.7	6.7	6.9	0.2	1.79	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R35	8.2	7.6	7.8	0.2	2.01	Minor Adverse
R36	8.2	7.5	7.6	0.1	1.40	Negligible
R37	8.6	7.9	8.2	0.3	3.08	Minor Adverse
R38	8.7	8.1	8.4	0.2	2.37	Minor Adverse
R39	9.1	8.6	8.7	0.2	1.52	Minor Adverse
R40	12.4	11.9	11.9	0.0	0.48	Negligible
R41	10.3	9.5	9.5	0.0	0.30	Negligible
R42	9.9	9.0	9.1	0.0	0.32	Negligible
R43	7.8	7.0	7.0	0.0	0.34	Negligible
R44	8.0	7.1	7.1	0.1	0.77	Negligible
R45	8.5	7.6	7.6	0.0	-0.29	Negligible
R46	9.2	8.1	8.0	0.0	-0.32	Negligible
R47	8.4	7.5	7.5	0.0	-0.24	Negligible
R48	7.3	6.4	6.5	0.1	0.69	Negligible
R49	7.1	6.3	6.3	0.0	0.09	Negligible
R50	7.3	6.4	6.4	0.0	0.21	Negligible
R51	6.8	6.0	6.2	0.1	1.30	Negligible
R52	7.2	6.4	6.4	0.0	-0.09	Negligible
R53	8.5	7.7	8.0	0.3	2.96	Minor Adverse
R54	9.8	9.0	9.3	0.3	2.83	Minor Adverse
R55	8.2	7.8	8.0	0.2	2.20	Minor Adverse
R56	9.4	8.6	8.9	0.4	3.69	Minor Adverse
R57	9.3	8.5	8.8	0.3	2.83	Minor Adverse
R58	7.5	6.6	6.7	0.1	1.18	Negligible
R59	7.6	6.6	6.7	0.1	1.27	Negligible
R60	7.9	7.0	7.1	0.1	0.88	Negligible
R61	8.1	7.6	7.5	0.0	-0.43	Negligible
R62	7.7	7.1	7.0	0.0	-0.30	Negligible
R63	8.1	7.5	7.5	0.0	-0.42	Negligible
R64	8.1	7.2	7.2	0.0	-0.23	Negligible
R65	7.4	6.5	6.4	0.0	-0.48	Negligible
R66	9.3	8.5	8.4	-0.1	-1.30	Negligible
R67	9.0	8.6	8.7	0.1	1.00	Negligible
R68	9.5	8.7	8.8	0.1	0.89	Negligible
R69	8.2	7.7	7.8	0.1	1.24	Negligible
R70	7.7	7.0	7.1	0.1	1.11	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R71	7.5	6.8	6.9	0.1	1.20	Negligible
R72	7.6	7.0	7.2	0.2	1.54	Negligible
R73	6.9	6.1	6.0	0.0	-0.16	Negligible
R74	6.9	6.1	6.1	0.0	-0.22	Negligible
R75	6.8	5.9	5.9	0.0	-0.07	Negligible
R76	7.5	6.8	6.7	-0.1	-0.59	Negligible
R77	7.2	6.3	6.4	0.1	1.01	Negligible
R78	8.2	7.3	7.3	-0.1	-0.52	Negligible
R79	8.5	7.6	7.6	0.0	-0.17	Negligible
R80	10.1	9.1	9.1	0.0	0.06	Negligible
R81	7.7	7.1	7.2	0.1	0.53	Negligible
R82	8.0	7.7	7.7	0.1	0.72	Negligible
R83	7.3	6.6	6.7	0.0	0.35	Negligible
R84	7.9	7.4	7.4	0.1	0.59	Negligible
R85	7.7	7.0	7.0	0.0	0.44	Negligible
R86	7.6	6.7	6.6	-0.1	-0.63	Negligible
R87	8.2	7.4	7.2	-0.2	-2.02	Negligible
R88	7.4	6.7	6.7	0.0	0.17	Negligible
R89	7.2	6.4	6.4	0.0	0.16	Negligible
R90	13.1	11.9	11.9	0.1	0.81	Moderate Adverse
R91	7.4	6.6	6.6	0.0	-0.13	Negligible
R92	7.4	6.4	6.4	0.0	-0.02	Negligible
R93	13.5	12.2	12.3	0.1	1.04	Moderate Adverse
R94	12.0	10.8	10.9	0.1	0.79	Moderate Adverse
R95	9.4	8.4	8.4	0.0	0.04	Negligible
R96	8.6	7.5	7.5	0.0	0.02	Negligible
R97	9.4	8.4	8.4	0.0	0.04	Negligible
R98	8.1	7.1	7.1	0.0	0.08	Negligible
R99	8.7	7.6	7.6	0.0	0.09	Negligible
R100	9.7	8.6	8.6	0.0	0.21	Negligible
R101	8.6	7.5	7.5	0.0	0.13	Negligible
R102	8.0	6.9	6.9	0.0	0.07	Negligible
R103	7.8	6.7	6.7	0.0	0.05	Negligible
R104	7.4	6.4	6.4	0.0	0.02	Negligible
R105	7.8	6.8	6.8	0.0	0.03	Negligible
R106	8.2	7.1	7.1	0.0	0.03	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R107	8.4	7.3	7.4	0.0	0.07	Negligible
R108	8.7	7.6	7.6	0.0	0.11	Negligible
R109	9.5	8.4	8.5	0.0	0.35	Negligible
R110	8.5	7.5	7.5	0.0	0.15	Negligible

2031 Baseline vs 2031 Opening Year (Do Something) With Framework Travel Plan

Table 4.5.16: Predicted NO_2 Concentration Changes due to 2031 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R1	14.7	10.9	10.4	-0.5	-1.28	Negligible
R2	14.2	9.6	8.5	-1.2	-2.98	Negligible
R3	12.5	8.7	8.4	-0.3	-0.67	Negligible
R4	13.3	9.0	8.6	-0.4	-0.90	Negligible
R5	14.7	9.7	8.8	-1.0	-2.38	Negligible
R6	15.2	9.9	9.2	-0.7	-1.65	Negligible
R7	6.4	4.9	4.9	0.0	0.10	Negligible
R8	11.0	7.3	7.6	0.3	0.73	Negligible
R9	12.6	7.6	8.1	0.5	1.13	Negligible
R10	8.1	5.5	5.7	0.1	0.35	Negligible
R11	13.3	8.1	8.2	0.0	0.12	Negligible
R12	21.9	11.7	11.7	0.0	0.10	Negligible
R13	19.1	10.4	10.4	0.0	0.08	Negligible
R14	26.2	13.8	13.8	0.1	0.13	Negligible
R15	24.8	13.1	13.2	0.1	0.13	Negligible
R16	14.4	8.1	8.1	0.0	0.05	Negligible
R17	10.9	6.7	6.7	0.0	0.02	Negligible
R18	12.6	8.7	8.7	-0.1	-0.15	Negligible
R19	8.5	6.1	5.8	-0.3	-0.73	Negligible
R20	10.8	6.9	6.9	0.1	0.17	Negligible
R21	11.7	7.4	7.4	0.0	0.10	Negligible
R22	11.3	8.2	7.9	-0.3	-0.68	Negligible
R23	10.7	6.9	6.8	-0.1	-0.28	Negligible
R24	9.0	6.5	6.5	0.0	-0.02	Negligible
R25	8.6	6.2	6.3	0.0	0.10	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R26	6.6	5.3	5.2	0.0	-0.05	Negligible
R27	6.7	5.2	5.2	0.0	0.08	Negligible
R28	16.4	13.9	12.4	-1.5	-3.83	Negligible
R29	21.0	13.7	13.4	-0.3	-0.70	Negligible
R30	22.8	13.9	13.5	-0.3	-0.80	Negligible
R31	14.5	9.4	9.3	-0.1	-0.15	Negligible
R32	13.1	8.4	8.7	0.3	0.75	Negligible
R33	14.7	9.3	9.3	0.1	0.13	Negligible
R34	12.9	8.2	8.1	-0.1	-0.20	Negligible
R35	14.3	9.3	9.4	0.0	0.12	Negligible
R36	14.7	9.0	9.2	0.2	0.45	Negligible
R37	15.0	9.6	9.7	0.1	0.20	Negligible
R38	15.6	10.2	10.2	0.1	0.20	Negligible
R39	17.5	11.6	11.6	0.0	0.12	Negligible
R40	32.5	20.7	20.6	-0.1	-0.37	Negligible
R41	25.3	16.1	16.2	0.1	0.13	Negligible
R42	22.7	14.9	15.0	0.0	0.12	Negligible
R43	10.6	7.6	7.6	0.0	0.05	Negligible
R44	11.4	7.8	7.9	0.0	0.10	Negligible
R45	13.3	8.5	8.5	0.0	0.05	Negligible
R46	18.6	10.3	10.4	0.1	0.15	Negligible
R47	14.5	8.9	9.0	0.0	0.08	Negligible
R48	10.9	6.4	6.5	0.1	0.13	Negligible
R49	9.8	7.1	7.3	0.2	0.48	Negligible
R50	11.0	7.2	7.4	0.2	0.45	Negligible
R51	8.2	6.2	6.3	0.0	0.13	Negligible
R52	11.1	7.9	7.9	0.0	0.03	Negligible
R53	19.7	12.1	12.6	0.5	1.23	Negligible
R54	27.7	16.3	16.6	0.3	0.75	Negligible
R55	17.5	12.2	12.2	0.0	0.07	Negligible
R56	27.1	17.8	18.3	0.4	1.10	Negligible
R57	24.0	15.1	15.5	0.4	1.00	Negligible
R58	13.5	9.3	9.5	0.2	0.43	Negligible
R59	14.5	10.0	10.2	0.2	0.47	Negligible
R60	19.6	12.9	13.1	0.2	0.40	Negligible
R61	16.0	9.9	9.9	0.0	0.02	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R62	13.7	8.7	8.8	0.0	0.05	Negligible
R63	16.8	10.7	10.7	0.0	0.02	Negligible
R64	14.8	9.1	9.2	0.1	0.13	Negligible
R65	11.4	7.3	7.4	0.1	0.23	Negligible
R66	22.6	13.0	13.0	-0.1	-0.15	Negligible
R67	22.3	15.0	15.2	0.1	0.33	Negligible
R68	21.2	12.4	12.5	0.1	0.33	Negligible
R69	17.4	11.4	11.6	0.3	0.63	Negligible
R70	14.3	9.5	9.8	0.3	0.72	Negligible
R71	13.4	8.7	8.8	0.2	0.45	Negligible
R72	13.2	8.6	8.8	0.2	0.55	Negligible
R73	9.3	6.7	6.6	0.0	-0.13	Negligible
R74	9.2	6.5	6.4	0.0	-0.10	Negligible
R75	7.8	5.6	5.7	0.0	0.03	Negligible
R76	12.2	8.0	7.9	-0.1	-0.23	Negligible
R77	10.9	7.3	7.2	-0.2	-0.38	Negligible
R78	16.1	9.8	9.8	0.0	0.08	Negligible
R79	18.8	11.2	11.3	0.0	0.12	Negligible
R80	31.5	18.6	18.7	0.1	0.27	Negligible
R81	12.2	8.4	8.5	0.1	0.33	Negligible
R82	14.1	9.4	9.5	0.2	0.45	Negligible
R83	10.4	7.3	7.3	0.1	0.20	Negligible
R84	13.2	8.9	9.0	0.1	0.35	Negligible
R85	13.9	10.0	10.0	0.0	0.07	Negligible
R86	10.9	7.5	7.4	-0.1	-0.18	Negligible
R87	14.6	9.4	9.3	-0.1	-0.30	Negligible
R88	9.9	7.2	7.2	0.0	0.05	Negligible
R89	8.8	7.1	7.1	0.0	0.03	Negligible
R90	44.9	27.4	27.6	0.2	0.50	Negligible
R91	11.9	7.9	7.9	0.0	0.13	Negligible
R92	10.3	7.2	7.2	0.0	0.05	Negligible
R93	38.1	24.2	24.3	0.1	0.30	Negligible
R94	31.9	20.7	20.8	0.1	0.25	Negligible
R95	21.8	13.1	13.1	0.0	0.00	Negligible
R96	16.8	10.5	10.5	0.0	0.03	Negligible
R97	23.2	13.9	13.9	0.0	0.02	Negligible

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R98	14.1	9.1	9.1	0.0	0.05	Negligible
R99	18.5	13.2	13.3	0.0	0.05	Negligible
R100	24.4	15.9	16.0	0.0	0.12	Negligible
R101	18.4	12.2	12.2	0.0	0.08	Negligible
R102	16.2	12.4	12.4	0.0	0.02	Negligible
R103	15.4	12.1	12.1	0.0	0.00	Negligible
R104	14.1	9.0	9.0	0.0	0.02	Negligible
R105	13.6	8.6	8.7	0.0	0.02	Negligible
R106	14.7	9.5	9.6	0.0	0.03	Negligible
R107	15.3	9.7	9.7	0.0	0.05	Negligible
R108	18.4	11.0	11.1	0.0	0.08	Negligible
R109	23.6	13.6	13.6	0.0	0.12	Negligible
R110	16.6	10.4	10.4	0.0	0.05	Negligible

Table 4.5.17: Predicted PM_{10} Concentration Changes due to 2031 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R1	16.5	16.1	15.9	-0.2	-0.59	Negligible
R2	16.0	15.5	14.8	-0.7	-1.69	Negligible
R3	15.5	15.0	14.8	-0.2	-0.45	Negligible
R4	15.7	15.2	15.0	-0.2	-0.56	Negligible
R5	16.2	15.7	15.1	-0.6	-1.50	Negligible
R6	16.3	15.8	15.4	-0.4	-0.99	Negligible
R7	13.1	12.6	12.6	0.0	0.07	Negligible
R8	12.8	12.4	12.6	0.2	0.57	Negligible
R9	14.0	13.5	13.9	0.4	0.89	Negligible
R10	12.5	11.9	12.0	0.1	0.26	Negligible
R11	14.1	13.6	13.6	0.0	0.08	Negligible
R12	17.5	16.8	16.9	0.0	0.09	Negligible
R13	16.4	15.7	15.8	0.0	0.07	Negligible
R14	19.4	18.6	18.6	0.0	0.11	Negligible
R15	18.8	18.0	18.1	0.0	0.10	Negligible
R16	14.6	13.9	13.9	0.0	0.03	Negligible
R17	13.5	12.9	12.9	0.0	0.01	Negligible
R18	15.5	15.0	15.0	0.0	-0.12	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R19	13.5	13.1	12.9	-0.2	-0.55	Negligible
R20	12.9	12.3	12.4	0.0	0.09	Negligible
R21	13.1	12.6	12.6	0.0	0.05	Negligible
R22	13.9	14.0	13.8	-0.2	-0.53	Negligible
R23	13.9	13.3	13.2	-0.1	-0.21	Negligible
R24	13.3	13.0	13.0	0.0	0.01	Negligible
R25	13.2	12.8	12.9	0.0	0.06	Negligible
R26	12.5	12.2	12.1	0.0	-0.04	Negligible
R27	12.2	11.8	11.8	0.0	0.03	Negligible
R28	14.7	14.8	14.5	-0.3	-0.69	Negligible
R29	16.2	16.6	16.5	-0.1	-0.26	Negligible
R30	16.3	16.0	16.0	-0.1	-0.18	Negligible
R31	14.2	14.0	14.0	0.0	0.01	Negligible
R32	14.2	13.8	14.0	0.2	0.48	Negligible
R33	14.7	14.5	14.5	0.0	0.10	Negligible
R34	13.9	13.3	13.3	0.0	-0.09	Negligible
R35	14.8	14.8	14.8	0.0	0.10	Negligible
R36	14.9	14.4	14.6	0.1	0.33	Negligible
R37	15.2	14.9	15.0	0.1	0.21	Negligible
R38	15.4	15.4	15.4	0.1	0.17	Negligible
R39	16.1	16.4	16.5	0.0	0.09	Negligible
R40	21.8	22.9	22.8	-0.1	-0.29	Negligible
R41	18.0	17.9	17.9	0.0	0.10	Negligible
R42	17.1	17.0	17.0	0.0	0.10	Negligible
R43	13.4	13.1	13.1	0.0	0.05	Negligible
R44	13.6	13.3	13.3	0.0	0.07	Negligible
R45	14.4	13.8	13.8	0.0	0.02	Negligible
R46	15.9	14.8	14.8	0.0	0.05	Negligible
R47	14.5	13.9	13.9	0.0	0.04	Negligible
R48	14.1	13.1	13.1	0.0	0.09	Negligible
R49	13.7	13.3	13.4	0.1	0.35	Negligible
R50	14.1	13.4	13.5	0.1	0.35	Negligible
R51	13.1	12.7	12.8	0.0	0.08	Negligible
R52	13.3	12.9	12.9	0.0	-0.03	Negligible
R53	17.1	16.6	16.9	0.3	0.69	Negligible
R54	19.2	18.7	18.9	0.2	0.53	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R55	16.6	16.9	16.9	0.0	-0.01	Negligible
R56	18.6	18.4	18.5	0.1	0.37	Negligible
R57	18.4	18.2	18.4	0.2	0.54	Negligible
R58	14.3	13.8	13.9	0.1	0.19	Negligible
R59	14.0	13.5	13.6	0.1	0.20	Negligible
R60	13.8	13.2	13.3	0.1	0.13	Negligible
R61	15.1	14.8	14.8	0.0	0.01	Negligible
R62	14.2	13.9	13.9	0.0	0.02	Negligible
R63	14.6	14.3	14.3	0.0	0.02	Negligible
R64	13.7	13.1	13.1	0.0	0.06	Negligible
R65	15.5	14.9	14.9	0.0	0.11	Negligible
R66	18.6	18.1	18.0	-0.1	-0.20	Negligible
R67	16.1	16.3	16.4	0.1	0.16	Negligible
R68	16.8	16.3	16.3	0.1	0.14	Negligible
R69	15.2	15.0	15.1	0.1	0.20	Negligible
R70	14.3	14.0	14.1	0.1	0.20	Negligible
R71	13.1	12.7	12.8	0.1	0.21	Negligible
R72	13.2	12.8	12.9	0.1	0.30	Negligible
R73	12.5	12.1	12.1	0.0	-0.07	Negligible
R74	12.0	11.6	11.5	0.0	-0.10	Negligible
R75	11.9	11.4	11.4	0.0	-0.02	Negligible
R76	13.5	12.9	12.9	0.0	-0.08	Negligible
R77	13.0	12.4	12.3	0.0	-0.10	Negligible
R78	17.3	16.7	16.7	0.0	0.03	Negligible
R79	17.7	17.1	17.2	0.0	0.05	Negligible
R80	18.3	17.7	17.7	0.0	0.12	Negligible
R81	13.3	13.0	13.1	0.1	0.25	Negligible
R82	14.2	14.1	14.2	0.1	0.35	Negligible
R83	12.9	12.6	12.6	0.1	0.16	Negligible
R84	13.6	13.4	13.5	0.1	0.28	Negligible
R85	13.9	13.5	13.6	0.0	0.09	Negligible
R86	14.1	13.6	13.6	0.0	-0.11	Negligible
R87	14.2	13.9	13.8	-0.1	-0.18	Negligible
R88	13.9	13.7	13.7	0.0	0.04	Negligible
R89	13.0	12.6	12.6	0.0	0.02	Negligible
R90	24.0	23.2	23.3	0.1	0.26	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R91	13.4	12.9	12.9	0.0	0.09	Negligible
R92	12.9	12.3	12.3	0.0	0.04	Negligible
R93	23.9	22.8	22.9	0.1	0.16	Negligible
R94	21.2	20.3	20.3	0.1	0.13	Negligible
R95	16.1	15.4	15.4	0.0	0.01	Negligible
R96	14.6	13.9	13.9	0.0	0.01	Negligible
R97	17.0	16.3	16.3	0.0	0.01	Negligible
R98	14.4	13.8	13.8	0.0	0.02	Negligible
R99	14.7	14.0	14.0	0.0	0.02	Negligible
R100	16.7	15.9	15.9	0.0	0.05	Negligible
R101	14.7	14.0	14.0	0.0	0.03	Negligible
R102	13.2	12.5	12.5	0.0	0.00	Negligible
R103	12.9	12.2	12.2	0.0	0.00	Negligible
R104	12.8	12.2	12.2	0.0	0.01	Negligible
R105	14.1	13.5	13.5	0.0	0.01	Negligible
R106	14.2	13.6	13.6	0.0	0.01	Negligible
R107	14.8	14.1	14.1	0.0	0.02	Negligible
R108	17.0	16.3	16.3	0.0	0.03	Negligible
R109	18.6	17.8	17.8	0.0	0.04	Negligible
R110	16.7	16.0	16.0	0.0	0.02	Negligible

Table 4.5.18: Predicted $PM_{2.5}$ Concentration Changes due to 2031 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R1	8.0	7.6	7.5	-0.1	-0.67	Negligible
R2	7.8	7.3	6.9	-0.4	-1.85	Negligible
R3	7.5	7.0	6.9	-0.1	-0.49	Negligible
R4	7.6	7.1	7.0	-0.1	-0.62	Negligible
R5	7.9	7.4	7.1	-0.3	-1.64	Negligible
R6	8.0	7.4	7.2	-0.2	-1.10	Negligible
R7	6.6	6.1	6.1	0.0	0.08	Negligible
R8	7.2	6.8	6.9	0.1	0.60	Negligible
R9	7.6	7.2	7.4	0.2	0.94	Negligible
R10	6.8	6.3	6.4	0.1	0.27	Negligible
R11	7.5	7.1	7.1	0.0	0.09	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R12	9.6	9.0	9.0	0.0	0.09	Negligible
R13	9.0	8.4	8.4	0.0	0.08	Negligible
R14	10.6	9.9	9.9	0.0	0.12	Negligible
R15	10.2	9.6	9.6	0.0	0.11	Negligible
R16	8.1	7.5	7.5	0.0	0.03	Negligible
R17	7.2	6.6	6.6	0.0	0.02	Negligible
R18	7.5	7.0	7.0	0.0	-0.12	Negligible
R19	7.0	6.6	6.5	-0.1	-0.58	Negligible
R20	7.1	6.6	6.6	0.0	0.11	Negligible
R21	7.2	6.7	6.7	0.0	0.06	Negligible
R22	7.4	7.3	7.2	-0.1	-0.56	Negligible
R23	7.4	6.9	6.9	0.0	-0.22	Negligible
R24	7.0	6.7	6.7	0.0	0.01	Negligible
R25	7.0	6.6	6.6	0.0	0.06	Negligible
R26	6.7	6.3	6.3	0.0	-0.04	Negligible
R27	6.6	6.2	6.2	0.0	0.03	Negligible
R28	8.0	7.9	7.7	-0.2	-0.76	Negligible
R29	8.8	8.8	8.7	-0.1	-0.27	Negligible
R30	8.9	8.5	8.4	0.0	-0.20	Negligible
R31	7.8	7.4	7.4	0.0	0.01	Negligible
R32	7.5	7.1	7.2	0.1	0.54	Negligible
R33	8.2	7.8	7.8	0.0	0.11	Negligible
R34	7.7	7.2	7.2	0.0	-0.10	Negligible
R35	8.2	7.9	8.0	0.0	0.11	Negligible
R36	8.2	7.7	7.8	0.1	0.35	Negligible
R37	8.6	8.2	8.3	0.0	0.22	Negligible
R38	8.7	8.5	8.5	0.0	0.18	Negligible
R39	9.1	9.0	9.0	0.0	0.10	Negligible
R40	12.4	12.7	12.6	-0.1	-0.30	Negligible
R41	10.3	10.0	10.0	0.0	0.11	Negligible
R42	9.9	9.5	9.5	0.0	0.11	Negligible
R43	7.8	7.5	7.5	0.0	0.05	Negligible
R44	8.0	7.6	7.6	0.0	0.08	Negligible
R45	8.5	8.0	8.0	0.0	0.03	Negligible
R46	9.2	8.4	8.4	0.0	0.06	Negligible
R47	8.4	7.9	7.9	0.0	0.05	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R48	7.3	6.6	6.6	0.0	0.10	Negligible
R49	7.1	6.6	6.7	0.1	0.37	Negligible
R50	7.3	6.7	6.8	0.1	0.37	Negligible
R51	6.8	6.5	6.5	0.0	0.08	Negligible
R52	7.2	6.8	6.8	0.0	-0.03	Negligible
R53	8.5	8.0	8.1	0.2	0.79	Negligible
R54	9.8	9.2	9.4	0.1	0.61	Negligible
R55	8.2	8.2	8.2	0.0	0.02	Negligible
R56	9.4	9.0	9.1	0.1	0.46	Negligible
R57	9.3	8.9	9.0	0.1	0.60	Negligible
R58	7.5	7.0	7.1	0.0	0.22	Negligible
R59	7.6	7.1	7.1	0.0	0.23	Negligible
R60	7.9	7.4	7.4	0.0	0.16	Negligible
R61	8.1	7.8	7.8	0.0	0.02	Negligible
R62	7.7	7.3	7.3	0.0	0.02	Negligible
R63	8.1	7.7	7.7	0.0	0.02	Negligible
R64	8.1	7.5	7.5	0.0	0.07	Negligible
R65	7.4	6.9	6.9	0.0	0.13	Negligible
R66	9.3	8.8	8.7	0.0	-0.20	Negligible
R67	9.0	8.9	8.9	0.0	0.19	Negligible
R68	9.5	9.0	9.0	0.0	0.16	Negligible
R69	8.2	7.9	8.0	0.0	0.22	Negligible
R70	7.7	7.3	7.3	0.0	0.23	Negligible
R71	7.5	7.0	7.1	0.0	0.24	Negligible
R72	7.6	7.2	7.3	0.1	0.33	Negligible
R73	6.9	6.5	6.5	0.0	-0.08	Negligible
R74	6.9	6.5	6.5	0.0	-0.10	Negligible
R75	6.8	6.3	6.3	0.0	-0.01	Negligible
R76	7.5	7.0	7.0	0.0	-0.08	Negligible
R77	7.2	6.7	6.7	0.0	-0.11	Negligible
R78	8.2	7.6	7.6	0.0	0.03	Negligible
R79	8.5	7.9	7.9	0.0	0.06	Negligible
R80	10.1	9.4	9.4	0.0	0.15	Negligible
R81	7.7	7.3	7.4	0.1	0.26	Negligible
R82	8.0	7.7	7.8	0.1	0.37	Negligible
R83	7.3	6.9	7.0	0.0	0.17	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2031 Baseline	2031 With Development			
R84	7.9	7.5	7.6	0.1	0.30	Negligible
R85	7.7	7.3	7.3	0.0	0.10	Negligible
R86	7.6	7.2	7.1	0.0	-0.11	Negligible
R87	8.2	7.8	7.7	0.0	-0.19	Negligible
R88	7.4	7.0	7.1	0.0	0.04	Negligible
R89	7.2	6.8	6.8	0.0	0.02	Negligible
R90	13.1	12.1	12.2	0.1	0.31	Negligible
R91	7.4	6.9	6.9	0.0	0.09	Negligible
R92	7.4	6.9	6.9	0.0	0.04	Negligible
R93	13.5	12.6	12.7	0.0	0.17	Negligible
R94	12.0	11.2	11.3	0.0	0.14	Negligible
R95	9.4	8.8	8.8	0.0	0.01	Negligible
R96	8.6	8.0	8.0	0.0	0.01	Negligible
R97	9.4	8.8	8.8	0.0	0.01	Negligible
R98	8.1	7.5	7.5	0.0	0.02	Negligible
R99	8.7	8.1	8.1	0.0	0.02	Negligible
R100	9.7	9.1	9.1	0.0	0.05	Negligible
R101	8.6	8.0	8.0	0.0	0.03	Negligible
R102	8.0	7.4	7.4	0.0	0.00	Negligible
R103	7.8	7.2	7.2	0.0	0.00	Negligible
R104	7.4	6.8	6.8	0.0	0.01	Negligible
R105	7.8	7.2	7.2	0.0	0.02	Negligible
R106	8.2	7.6	7.6	0.0	0.01	Negligible
R107	8.4	7.8	7.8	0.0	0.02	Negligible
R108	8.7	8.1	8.1	0.0	0.03	Negligible
R109	9.5	8.9	8.9	0.0	0.04	Negligible
R110	8.5	7.9	7.9	0.0	0.03	Negligible

2034 Baseline vs 2034 Opening Year (Do Something) With Framework Travel Plan

Table 4.5.19: Predicted NO_2 Concentration Changes due to 2034 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R1	14.7	9.9	10.0	0.1	0.27	Negligible
R2	14.2	8.4	7.8	-0.6	-1.60	Negligible

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R3	12.5	7.7	7.7	0.1	0.17	Negligible
R4	13.3	7.9	7.9	0.0	-0.05	Negligible
R5	14.7	8.5	8.0	-0.5	-1.23	Negligible
R6	15.2	8.6	8.1	-0.4	-1.10	Negligible
R7	6.4	4.5	4.5	0.0	0.13	Negligible
R8	11.0	6.1	6.3	0.2	0.60	Negligible
R9	12.6	6.0	6.5	0.4	1.05	Negligible
R10	8.1	4.7	4.9	0.1	0.33	Negligible
R11	13.3	6.5	6.6	0.0	0.13	Negligible
R12	21.9	8.5	8.7	0.2	0.38	Negligible
R13	19.1	7.7	7.8	0.1	0.30	Negligible
R14	26.2	9.8	10.0	0.2	0.52	Negligible
R15	24.8	9.4	9.6	0.2	0.52	Negligible
R16	14.4	6.3	6.4	0.1	0.25	Negligible
R17	10.9	5.5	5.6	0.1	0.17	Negligible
R18	12.6	7.7	7.8	0.2	0.43	Negligible
R19	8.5	5.3	5.2	-0.1	-0.28	Negligible
R20	10.8	5.8	5.9	0.2	0.40	Negligible
R21	11.7	6.1	6.3	0.2	0.43	Negligible
R22	11.3	6.8	6.8	0.0	0.08	Negligible
R23	10.7	5.9	6.1	0.2	0.48	Negligible
R24	9.0	5.5	5.7	0.2	0.48	Negligible
R25	8.6	5.3	5.5	0.2	0.45	Negligible
R26	6.6	4.7	4.6	-0.1	-0.23	Negligible
R27	6.7	4.7	4.6	0.0	-0.13	Negligible
R28	16.4	12.7	7.5	-5.2	-13.00	Moderate Benefit
R29	21.0	11.0	8.4	-2.6	-6.53	Minor Benefit
R30	22.8	11.3	8.4	-2.9	-7.30	Minor Benefit
R31	14.5	7.7	6.7	-1.0	-2.40	Negligible
R32	13.1	7.0	7.8	0.9	2.23	Negligible
R33	14.7	7.6	8.3	0.8	1.93	Negligible
R34	12.9	6.9	7.6	0.7	1.70	Negligible
R35	14.3	7.5	7.9	0.4	0.92	Negligible
R36	14.7	7.3	7.6	0.3	0.83	Negligible
R37	15.0	7.8	8.4	0.6	1.40	Negligible
R38	15.6	8.2	8.7	0.4	1.08	Negligible

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R39	17.5	9.1	9.4	0.2	0.60	Negligible
R40	32.5	15.6	15.5	-0.1	-0.20	Negligible
R41	25.3	12.8	13.0	0.2	0.43	Negligible
R42	22.7	12.2	12.3	0.2	0.45	Negligible
R43	10.6	6.4	6.6	0.1	0.33	Negligible
R44	11.4	6.6	6.8	0.2	0.45	Negligible
R45	13.3	7.1	7.1	0.0	0.02	Negligible
R46	18.6	8.4	8.4	0.0	0.00	Negligible
R47	14.5	7.4	7.4	0.0	-0.05	Negligible
R48	10.9	5.7	5.8	0.1	0.20	Negligible
R49	9.8	6.3	6.4	0.1	0.15	Negligible
R50	11.0	6.4	6.4	0.0	0.08	Negligible
R51	8.2	5.4	5.6	0.2	0.40	Negligible
R52	11.1	6.8	6.8	0.0	0.00	Negligible
R53	19.7	10.1	11.0	0.8	2.08	Negligible
R54	27.7	13.2	13.9	0.7	1.80	Negligible
R55	17.5	9.9	10.4	0.5	1.25	Negligible
R56	27.1	14.9	15.9	1.0	2.58	Negligible
R57	24.0	12.4	13.1	0.7	1.75	Negligible
R58	13.5	8.2	8.6	0.4	0.93	Negligible
R59	14.5	8.9	9.3	0.4	0.95	Negligible
R60	19.6	11.2	11.6	0.4	1.00	Negligible
R61	16.0	8.0	8.0	-0.1	-0.15	Negligible
R62	13.7	7.2	7.1	0.0	-0.13	Negligible
R63	16.8	8.7	8.7	-0.1	-0.20	Negligible
R64	14.8	7.6	7.7	0.0	0.05	Negligible
R65	11.4	6.1	6.0	-0.1	-0.25	Negligible
R66	22.6	10.7	10.8	0.1	0.23	Negligible
R67	22.3	12.2	12.7	0.5	1.38	Negligible
R68	21.2	10.0	10.5	0.5	1.18	Negligible
R69	17.4	9.3	10.1	0.8	2.03	Negligible
R70	14.3	8.0	8.9	0.9	2.38	Negligible
R71	13.4	7.2	7.8	0.5	1.35	Negligible
R72	13.2	7.2	7.9	0.7	1.68	Negligible
R73	9.3	5.8	5.7	-0.1	-0.15	Negligible
R74	9.2	5.6	5.5	-0.1	-0.15	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R75	7.8	5.0	4.9	0.0	-0.10	Negligible
R76	12.2	6.9	6.5	-0.4	-0.93	Negligible
R77	10.9	6.6	5.9	-0.6	-1.60	Negligible
R78	16.1	8.2	8.2	0.0	0.05	Negligible
R79	18.8	9.3	9.4	0.1	0.20	Negligible
R80	31.5	15.2	15.4	0.2	0.38	Negligible
R81	12.2	7.0	7.0	0.0	0.02	Negligible
R82	14.1	7.6	7.6	0.0	0.02	Negligible
R83	10.4	6.2	6.2	0.0	0.03	Negligible
R84	13.2	7.3	7.4	0.0	0.02	Negligible
R85	13.9	8.6	8.6	0.0	0.07	Negligible
R86	10.9	6.2	6.2	-0.1	-0.15	Negligible
R87	14.6	7.5	7.2	-0.3	-0.65	Negligible
R88	9.9	6.1	6.1	0.0	0.10	Negligible
R89	8.8	6.3	6.4	0.1	0.15	Negligible
R90	44.9	22.6	22.8	0.2	0.53	Negligible
R91	11.9	6.9	6.5	-0.3	-0.85	Negligible
R92	10.3	6.3	6.1	-0.2	-0.45	Negligible
R93	38.1	20.3	20.6	0.3	0.67	Negligible
R94	31.9	17.6	17.8	0.2	0.58	Negligible
R95	21.8	10.9	10.9	0.0	0.05	Negligible
R96	16.8	8.9	8.9	0.0	0.02	Negligible
R97	23.2	11.6	11.6	0.0	0.02	Negligible
R98	14.1	7.9	7.9	0.0	0.05	Negligible
R99	18.5	11.9	11.9	0.0	0.10	Negligible
R100	24.4	13.7	13.7	0.0	0.12	Negligible
R101	18.4	10.6	10.6	0.0	0.07	Negligible
R102	16.2	11.4	11.4	0.0	0.05	Negligible
R103	15.4	11.2	11.2	0.0	0.02	Negligible
R104	14.1	7.8	7.8	0.0	0.02	Negligible
R105	13.6	7.3	7.4	0.0	0.02	Negligible
R106	14.7	8.2	8.2	0.0	0.02	Negligible
R107	15.3	8.3	8.3	0.0	0.08	Negligible
R108	18.4	9.2	9.3	0.1	0.15	Negligible
R109	23.6	11.1	11.3	0.2	0.48	Negligible
R110	16.6	8.8	8.9	0.1	0.15	Negligible

Table 4.5.20: Predicted PM_{10} Concentration Changes due to 2034 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R1	16.5	16.0	16.0	0.0	0.10	Negligible
R2	16.0	15.4	14.9	-0.5	-1.33	Negligible
R3	15.5	14.9	14.8	0.0	-0.09	Negligible
R4	15.7	15.1	15.0	-0.1	-0.22	Negligible
R5	16.2	15.6	15.1	-0.5	-1.28	Negligible
R6	16.3	15.7	15.2	-0.5	-1.20	Negligible
R7	13.1	12.4	12.4	0.0	0.11	Negligible
R8	12.8	12.3	12.6	0.3	0.78	Negligible
R9	14.0	13.4	14.0	0.5	1.33	Negligible
R10	12.5	11.8	11.9	0.2	0.39	Negligible
R11	14.1	13.4	13.5	0.1	0.14	Negligible
R12	17.5	16.6	16.8	0.2	0.50	Negligible
R13	16.4	15.5	15.7	0.2	0.42	Negligible
R14	19.4	18.4	18.7	0.3	0.69	Negligible
R15	18.8	17.8	18.1	0.3	0.66	Negligible
R16	14.6	13.7	13.8	0.1	0.30	Negligible
R17	13.5	12.7	12.8	0.1	0.15	Negligible
R18	15.5	14.9	15.0	0.1	0.22	Negligible
R19	13.5	13.0	12.8	-0.2	-0.38	Negligible
R20	12.9	12.2	12.3	0.1	0.31	Negligible
R21	13.1	12.5	12.6	0.1	0.30	Negligible
R22	13.9	13.9	13.8	-0.1	-0.29	Negligible
R23	13.9	13.2	13.3	0.1	0.27	Negligible
R24	13.3	12.8	12.9	0.1	0.31	Negligible
R25	13.2	12.7	12.8	0.1	0.31	Negligible
R26	12.5	12.0	11.9	-0.1	-0.27	Negligible
R27	12.2	11.6	11.6	-0.1	-0.13	Negligible
R28	14.7	14.7	13.3	-1.4	-3.40	Negligible
R29	16.2	16.5	14.8	-1.6	-4.12	Negligible
R30	16.3	15.9	14.5	-1.4	-3.58	Negligible
R31	14.2	13.8	13.2	-0.7	-1.67	Negligible
R32	14.2	13.7	14.5	0.8	1.90	Negligible
R33	14.7	14.5	15.0	0.6	1.49	Negligible
R34	13.9	13.2	13.4	0.2	0.56	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R35	14.8	14.7	15.0	0.4	0.88	Negligible
R36	14.9	14.3	14.6	0.3	0.72	Negligible
R37	15.2	14.8	15.3	0.5	1.21	Negligible
R38	15.4	15.3	15.7	0.4	0.98	Negligible
R39	16.1	16.2	16.5	0.2	0.62	Negligible
R40	21.8	22.5	22.4	-0.1	-0.17	Negligible
R41	18.0	17.6	17.7	0.1	0.27	Negligible
R42	17.1	16.7	16.8	0.1	0.30	Negligible
R43	13.4	12.9	13.0	0.1	0.27	Negligible
R44	13.6	13.1	13.3	0.2	0.40	Negligible
R45	14.4	13.6	13.6	0.0	-0.08	Negligible
R46	15.9	14.7	14.6	-0.1	-0.19	Negligible
R47	14.5	13.8	13.7	-0.1	-0.19	Negligible
R48	14.1	13.0	13.1	0.1	0.14	Negligible
R49	13.7	13.2	13.2	0.0	0.04	Negligible
R50	14.1	13.3	13.3	0.0	-0.01	Negligible
R51	13.1	12.6	12.7	0.1	0.37	Negligible
R52	13.3	12.8	12.7	0.0	-0.12	Negligible
R53	17.1	16.5	17.0	0.5	1.13	Negligible
R54	19.2	18.6	19.2	0.5	1.29	Negligible
R55	16.6	16.7	17.0	0.4	0.96	Negligible
R56	18.6	18.2	18.8	0.5	1.32	Negligible
R57	18.4	18.0	18.5	0.4	1.11	Negligible
R58	14.3	13.7	13.9	0.2	0.50	Negligible
R59	14.0	13.4	13.6	0.2	0.50	Negligible
R60	13.8	13.1	13.3	0.2	0.38	Negligible
R61	15.1	14.8	14.7	-0.1	-0.21	Negligible
R62	14.2	13.8	13.7	-0.1	-0.15	Negligible
R63	14.6	14.3	14.2	-0.1	-0.20	Negligible
R64	13.7	12.9	12.9	0.0	-0.03	Negligible
R65	15.5	14.7	14.7	-0.1	-0.18	Negligible
R66	18.6	18.2	18.1	-0.1	-0.29	Negligible
R67	16.1	16.3	16.6	0.3	0.65	Negligible
R68	16.8	16.3	16.5	0.2	0.50	Negligible
R69	15.2	14.9	15.2	0.2	0.60	Negligible
R70	14.3	13.9	14.2	0.3	0.66	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R71	13.1	12.6	12.9	0.3	0.67	Negligible
R72	13.2	12.7	13.1	0.4	0.90	Negligible
R73	12.5	11.9	11.9	-0.1	-0.17	Negligible
R74	12.0	11.4	11.3	-0.1	-0.24	Negligible
R75	11.9	11.2	11.2	-0.1	-0.18	Negligible
R76	13.5	12.8	12.6	-0.1	-0.37	Negligible
R77	13.0	12.2	12.1	-0.1	-0.35	Negligible
R78	17.3	16.6	16.5	0.0	-0.05	Negligible
R79	17.7	17.0	17.1	0.0	0.11	Negligible
R80	18.3	17.6	17.7	0.1	0.15	Negligible
R81	13.3	12.9	13.0	0.1	0.21	Negligible
R82	14.2	14.0	14.2	0.1	0.28	Negligible
R83	12.9	12.4	12.5	0.1	0.13	Negligible
R84	13.6	13.3	13.4	0.1	0.23	Negligible
R85	13.9	13.4	13.4	0.0	0.10	Negligible
R86	14.1	13.4	13.3	-0.1	-0.30	Negligible
R87	14.2	13.7	13.4	-0.3	-0.86	Negligible
R88	13.9	13.5	13.6	0.0	0.12	Negligible
R89	13.0	12.5	12.5	0.0	0.12	Negligible
R90	24.0	23.3	23.4	0.1	0.28	Negligible
R91	13.4	12.8	12.7	-0.1	-0.29	Negligible
R92	12.9	12.2	12.1	0.0	-0.11	Negligible
R93	23.9	22.6	22.8	0.2	0.46	Negligible
R94	21.2	20.1	20.2	0.1	0.36	Negligible
R95	16.1	15.2	15.2	0.0	0.02	Negligible
R96	14.6	13.8	13.8	0.0	0.01	Negligible
R97	17.0	16.1	16.2	0.0	0.02	Negligible
R98	14.4	13.6	13.6	0.0	0.04	Negligible
R99	14.7	13.9	13.9	0.0	0.04	Negligible
R100	16.7	15.7	15.7	0.0	0.05	Negligible
R101	14.7	13.8	13.8	0.0	0.03	Negligible
R102	13.2	12.3	12.3	0.0	0.02	Negligible
R103	12.9	12.0	12.0	0.0	0.01	Negligible
R104	12.8	12.0	12.0	0.0	0.01	Negligible
R105	14.1	13.3	13.3	0.0	0.02	Negligible
R106	14.2	13.4	13.4	0.0	0.02	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R107	14.8	13.9	13.9	0.0	0.04	Negligible
R108	17.0	16.1	16.1	0.0	0.06	Negligible
R109	18.6	17.6	17.7	0.1	0.17	Negligible
R110	16.7	15.8	15.9	0.0	0.07	Negligible

Table 4.5.21: Predicted $PM_{2.5}$ Concentration Changes due to 2034 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R1	8.0	7.5	7.5	0.0	0.09	Negligible
R2	7.8	7.2	6.9	-0.3	-1.45	Negligible
R3	7.5	6.9	6.9	0.0	-0.09	Negligible
R4	7.6	7.0	7.0	0.0	-0.23	Negligible
R5	7.9	7.3	7.0	-0.3	-1.39	Negligible
R6	8.0	7.3	7.1	-0.3	-1.30	Negligible
R7	6.6	6.0	6.0	0.0	0.12	Negligible
R8	7.2	6.7	6.8	0.2	0.82	Negligible
R9	7.6	7.1	7.3	0.3	1.41	Negligible
R10	6.8	6.2	6.3	0.1	0.41	Negligible
R11	7.5	6.9	7.0	0.0	0.16	Negligible
R12	9.6	8.8	9.0	0.1	0.53	Negligible
R13	9.0	8.3	8.4	0.1	0.44	Negligible
R14	10.6	9.8	9.9	0.1	0.73	Negligible
R15	10.2	9.5	9.6	0.1	0.70	Negligible
R16	8.1	7.3	7.4	0.1	0.32	Negligible
R17	7.2	6.5	6.5	0.0	0.17	Negligible
R18	7.5	6.9	7.0	0.1	0.26	Negligible
R19	7.0	6.4	6.3	-0.1	-0.40	Negligible
R20	7.1	6.4	6.5	0.1	0.36	Negligible
R21	7.2	6.6	6.7	0.1	0.35	Negligible
R22	7.4	7.2	7.1	-0.1	-0.30	Negligible
R23	7.4	6.8	6.8	0.1	0.30	Negligible
R24	7.0	6.5	6.6	0.1	0.33	Negligible
R25	7.0	6.5	6.5	0.1	0.34	Negligible
R26	6.7	6.1	6.1	-0.1	-0.29	Negligible
R27	6.6	6.0	6.0	0.0	-0.14	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R28	8.0	7.7	7.0	-0.7	-3.66	Negligible
R29	8.8	8.7	7.8	-0.9	-4.36	Negligible
R30	8.9	8.4	7.6	-0.8	-3.80	Negligible
R31	7.8	7.3	6.9	-0.3	-1.75	Negligible
R32	7.5	7.0	7.4	0.4	2.12	Negligible
R33	8.2	7.7	8.0	0.3	1.61	Negligible
R34	7.7	7.1	7.2	0.1	0.65	Negligible
R35	8.2	7.8	8.0	0.2	0.95	Negligible
R36	8.2	7.6	7.8	0.2	0.78	Negligible
R37	8.6	8.1	8.4	0.3	1.30	Negligible
R38	8.7	8.3	8.6	0.2	1.06	Negligible
R39	9.1	8.9	9.0	0.1	0.66	Negligible
R40	12.4	12.3	12.3	0.0	-0.17	Negligible
R41	10.3	9.8	9.8	0.1	0.30	Negligible
R42	9.9	9.3	9.4	0.1	0.32	Negligible
R43	7.8	7.3	7.3	0.1	0.30	Negligible
R44	8.0	7.4	7.5	0.1	0.44	Negligible
R45	8.5	7.8	7.8	0.0	-0.08	Negligible
R46	9.2	8.2	8.2	0.0	-0.19	Negligible
R47	8.4	7.7	7.7	0.0	-0.19	Negligible
R48	7.3	6.5	6.5	0.0	0.16	Negligible
R49	7.1	6.5	6.5	0.0	0.06	Negligible
R50	7.3	6.6	6.6	0.0	0.01	Negligible
R51	6.8	6.3	6.4	0.1	0.40	Negligible
R52	7.2	6.6	6.6	0.0	-0.13	Negligible
R53	8.5	7.9	8.2	0.3	1.34	Negligible
R54	9.8	9.2	9.5	0.3	1.54	Negligible
R55	8.2	8.0	8.2	0.2	1.09	Negligible
R56	9.4	8.8	9.1	0.3	1.56	Negligible
R57	9.3	8.7	9.0	0.2	1.24	Negligible
R58	7.5	6.9	7.0	0.1	0.57	Negligible
R59	7.6	7.0	7.1	0.1	0.57	Negligible
R60	7.9	7.2	7.3	0.1	0.46	Negligible
R61	8.1	7.7	7.6	0.0	-0.22	Negligible
R62	7.7	7.2	7.2	0.0	-0.17	Negligible
R63	8.1	7.6	7.6	0.0	-0.22	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R64	8.1	7.4	7.4	0.0	-0.03	Negligible
R65	7.4	6.7	6.7	0.0	-0.20	Negligible
R66	9.3	8.7	8.7	-0.1	-0.29	Negligible
R67	9.0	8.8	9.0	0.2	0.76	Negligible
R68	9.5	8.9	9.0	0.1	0.54	Negligible
R69	8.2	7.8	8.0	0.1	0.69	Negligible
R70	7.7	7.2	7.3	0.2	0.76	Negligible
R71	7.5	6.9	7.1	0.2	0.76	Negligible
R72	7.6	7.1	7.3	0.2	0.99	Negligible
R73	6.9	6.3	6.3	0.0	-0.19	Negligible
R74	6.9	6.4	6.3	-0.1	-0.26	Negligible
R75	6.8	6.2	6.1	0.0	-0.18	Negligible
R76	7.5	6.8	6.8	-0.1	-0.40	Negligible
R77	7.2	6.5	6.5	-0.1	-0.37	Negligible
R78	8.2	7.5	7.5	0.0	-0.04	Negligible
R79	8.5	7.8	7.8	0.0	0.13	Negligible
R80	10.1	9.3	9.4	0.0	0.18	Negligible
R81	7.7	7.2	7.3	0.0	0.22	Negligible
R82	8.0	7.7	7.7	0.1	0.30	Negligible
R83	7.3	6.8	6.8	0.0	0.14	Negligible
R84	7.9	7.4	7.5	0.0	0.24	Negligible
R85	7.7	7.2	7.2	0.0	0.11	Negligible
R86	7.6	7.0	6.9	-0.1	-0.31	Negligible
R87	8.2	7.6	7.4	-0.2	-0.91	Negligible
R88	7.4	6.9	6.9	0.0	0.12	Negligible
R89	7.2	6.7	6.7	0.0	0.14	Negligible
R90	13.1	12.1	12.2	0.1	0.34	Negligible
R91	7.4	6.8	6.7	-0.1	-0.31	Negligible
R92	7.4	6.7	6.7	0.0	-0.13	Negligible
R93	13.5	12.4	12.5	0.1	0.49	Negligible
R94	12.0	11.1	11.2	0.1	0.38	Negligible
R95	9.4	8.6	8.6	0.0	0.02	Negligible
R96	8.6	7.8	7.8	0.0	0.01	Negligible
R97	9.4	8.6	8.6	0.0	0.02	Negligible
R98	8.1	7.4	7.4	0.0	0.04	Negligible
R99	8.7	7.9	7.9	0.0	0.04	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2034 Baseline	2034 With Development			
R100	9.7	8.9	8.9	0.0	0.05	Negligible
R101	8.6	7.8	7.8	0.0	0.03	Negligible
R102	8.0	7.2	7.2	0.0	0.02	Negligible
R103	7.8	7.1	7.1	0.0	0.01	Negligible
R104	7.4	6.7	6.7	0.0	0.01	Negligible
R105	7.8	7.0	7.0	0.0	0.02	Negligible
R106	8.2	7.4	7.5	0.0	0.02	Negligible
R107	8.4	7.7	7.7	0.0	0.04	Negligible
R108	8.7	7.9	7.9	0.0	0.06	Negligible
R109	9.5	8.7	8.7	0.0	0.18	Negligible
R110	8.5	7.7	7.8	0.0	0.08	Negligible

2042 Baseline vs 2042 Opening Year (Do Something) With Framework Travel Plan

Table 4.5.22: Predicted NO_2 Concentration Changes due to 2042 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R1	14.7	9.1	9.3	0.2	0.40	Negligible
R2	14.2	7.5	7.0	-0.6	-1.38	Negligible
R3	12.5	6.8	6.9	0.1	0.28	Negligible
R4	13.3	7.0	7.0	0.0	0.02	Negligible
R5	14.7	7.4	7.1	-0.4	-0.90	Negligible
R6	15.2	7.5	7.2	-0.3	-0.75	Negligible
R7	6.4	4.1	4.2	0.0	0.08	Negligible
R8	11.0	5.2	5.3	0.1	0.20	Negligible
R9	12.6	5.0	5.2	0.2	0.40	Negligible
R10	8.1	4.2	4.2	0.0	0.13	Negligible
R11	13.3	5.3	5.4	0.0	0.05	Negligible
R12	21.9	6.3	6.3	0.0	0.10	Negligible
R13	19.1	5.8	5.8	0.0	0.08	Negligible
R14	26.2	6.9	7.0	0.1	0.20	Negligible
R15	24.8	6.7	6.8	0.1	0.20	Negligible
R16	14.4	5.0	5.1	0.0	0.13	Negligible
R17	10.9	4.6	4.7	0.0	0.10	Negligible
R18	12.6	6.8	6.9	0.2	0.43	Negligible

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R19	8.5	4.7	4.6	0.0	-0.08	Negligible
R20	10.8	5.0	5.1	0.1	0.25	Negligible
R21	11.7	5.3	5.4	0.1	0.23	Negligible
R22	11.3	5.6	5.9	0.3	0.63	Negligible
R23	10.7	5.1	5.3	0.3	0.63	Negligible
R24	9.0	4.8	5.0	0.2	0.55	Negligible
R25	8.6	4.7	4.8	0.1	0.35	Negligible
R26	6.6	4.4	4.3	-0.1	-0.37	Negligible
R27	6.7	4.4	4.3	-0.1	-0.18	Negligible
R28	16.4	10.5	8.9	-1.6	-3.93	Negligible
R29	21.0	8.7	7.2	-1.4	-3.60	Negligible
R30	22.8	9.1	7.7	-1.4	-3.55	Negligible
R31	14.5	6.4	5.9	-0.5	-1.30	Negligible
R32	13.1	5.9	6.5	0.7	1.70	Negligible
R33	14.7	6.2	6.9	0.7	1.68	Negligible
R34	12.9	5.7	6.4	0.7	1.68	Negligible
R35	14.3	6.1	6.4	0.3	0.77	Negligible
R36	14.7	6.1	6.3	0.2	0.60	Negligible
R37	15.0	6.6	7.2	0.6	1.48	Negligible
R38	15.6	6.8	7.3	0.5	1.18	Negligible
R39	17.5	7.4	7.7	0.3	0.73	Negligible
R40	32.5	11.9	12.0	0.1	0.25	Negligible
R41	25.3	10.7	10.8	0.1	0.27	Negligible
R42	22.7	10.5	10.6	0.1	0.25	Negligible
R43	10.6	5.6	5.7	0.1	0.20	Negligible
R44	11.4	5.7	5.8	0.1	0.33	Negligible
R45	13.3	6.1	6.1	0.0	0.05	Negligible
R46	18.6	7.1	7.3	0.2	0.38	Negligible
R47	14.5	6.4	6.5	0.1	0.30	Negligible
R48	10.9	5.2	5.3	0.1	0.23	Negligible
R49	9.8	5.6	5.7	0.1	0.15	Negligible
R50	11.0	5.8	5.8	0.0	0.02	Negligible
R51	8.2	4.9	5.0	0.1	0.28	Negligible
R52	11.1	6.0	6.2	0.2	0.53	Negligible
R53	19.7	8.6	9.3	0.8	1.98	Negligible
R54	27.7	10.7	11.3	0.6	1.48	Negligible

Receptor ID	Annual Mean NO_2 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R55	17.5	8.4	8.8	0.4	1.03	Negligible
R56	27.1	12.6	13.6	0.9	2.35	Negligible
R57	24.0	10.4	11.0	0.6	1.55	Negligible
R58	13.5	7.1	7.4	0.3	0.83	Negligible
R59	14.5	7.6	8.0	0.4	0.97	Negligible
R60	19.6	9.6	10.0	0.4	0.93	Negligible
R61	16.0	6.6	6.6	0.0	-0.08	Negligible
R62	13.7	6.0	6.0	0.0	-0.05	Negligible
R63	16.8	7.3	7.3	0.0	-0.08	Negligible
R64	14.8	6.6	6.6	0.0	0.02	Negligible
R65	11.4	5.4	5.3	-0.1	-0.18	Negligible
R66	22.6	8.8	8.6	-0.1	-0.35	Negligible
R67	22.3	10.0	10.3	0.3	0.83	Negligible
R68	21.2	8.2	8.6	0.4	0.87	Negligible
R69	17.4	8.0	8.6	0.7	1.68	Negligible
R70	14.3	7.1	7.8	0.8	1.88	Negligible
R71	13.4	6.3	6.7	0.4	1.05	Negligible
R72	13.2	6.3	6.8	0.5	1.30	Negligible
R73	9.3	5.1	5.1	0.0	-0.02	Negligible
R74	9.2	4.9	4.9	0.0	-0.02	Negligible
R75	7.8	4.4	4.4	0.0	0.00	Negligible
R76	12.2	6.2	6.3	0.0	0.13	Negligible
R77	10.9	5.8	6.2	0.3	0.85	Negligible
R78	16.1	7.1	7.0	0.0	-0.05	Negligible
R79	18.8	8.0	8.0	0.0	0.02	Negligible
R80	31.5	12.7	12.8	0.1	0.23	Negligible
R81	12.2	6.4	6.3	-0.1	-0.33	Negligible
R82	14.1	6.9	6.7	-0.2	-0.50	Negligible
R83	10.4	5.7	5.6	-0.1	-0.23	Negligible
R84	13.2	6.7	6.5	-0.2	-0.38	Negligible
R85	13.9	7.9	7.9	0.0	0.05	Negligible
R86	10.9	5.6	5.6	0.0	-0.05	Negligible
R87	14.6	6.5	6.3	-0.2	-0.48	Negligible
R88	9.9	5.6	5.6	0.0	-0.02	Negligible
R89	8.8	5.9	6.0	0.0	0.05	Negligible
R90	44.9	18.8	19.1	0.3	0.68	Negligible

Receptor ID	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R91	11.9	6.2	6.2	0.0	-0.02	Negligible
R92	10.3	5.7	5.7	0.0	0.00	Negligible
R93	38.1	17.6	17.9	0.3	0.75	Negligible
R94	31.9	15.4	15.6	0.2	0.58	Negligible
R95	21.8	9.4	9.5	0.0	0.05	Negligible
R96	16.8	7.9	7.9	0.0	0.00	Negligible
R97	23.2	10.0	10.1	0.0	0.05	Negligible
R98	14.1	7.0	7.0	0.0	0.08	Negligible
R99	18.5	11.0	11.0	0.0	0.08	Negligible
R100	24.4	12.1	12.2	0.1	0.23	Negligible
R101	18.4	9.5	9.5	0.1	0.15	Negligible
R102	16.2	10.7	10.8	0.0	0.05	Negligible
R103	15.4	10.6	10.6	0.0	0.05	Negligible
R104	14.1	6.9	6.9	0.0	0.05	Negligible
R105	13.6	6.4	6.4	0.0	0.02	Negligible
R106	14.7	7.2	7.2	0.0	0.02	Negligible
R107	15.3	7.3	7.3	0.0	0.05	Negligible
R108	18.4	8.0	8.0	0.1	0.15	Negligible
R109	23.6	9.5	9.7	0.2	0.43	Negligible
R110	16.6	7.8	7.9	0.1	0.15	Negligible

Table 4.5.23: Predicted PM_{10} Concentration Changes due to 2042 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R1	16.5	15.6	15.7	0.0	0.11	Negligible
R2	16.0	15.1	14.6	-0.6	-1.41	Negligible
R3	15.5	14.6	14.6	0.0	-0.07	Negligible
R4	15.7	14.9	14.8	-0.1	-0.24	Negligible
R5	16.2	15.4	14.8	-0.5	-1.33	Negligible
R6	16.3	15.6	15.1	-0.5	-1.24	Negligible
R7	13.1	12.1	12.1	0.0	0.11	Negligible
R8	12.8	12.3	12.5	0.2	0.39	Negligible
R9	14.0	13.6	13.9	0.3	0.79	Negligible
R10	12.5	11.6	11.7	0.1	0.23	Negligible
R11	14.1	13.3	13.3	0.0	0.01	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R12	17.5	16.6	16.7	0.1	0.22	Negligible
R13	16.4	15.5	15.6	0.1	0.20	Negligible
R14	19.4	18.5	18.6	0.1	0.35	Negligible
R15	18.8	17.9	18.0	0.1	0.35	Negligible
R16	14.6	13.5	13.6	0.1	0.27	Negligible
R17	13.5	12.5	12.5	0.1	0.14	Negligible
R18	15.5	14.6	14.7	0.1	0.26	Negligible
R19	13.5	12.7	12.6	-0.2	-0.38	Negligible
R20	12.9	12.0	12.1	0.1	0.20	Negligible
R21	13.1	12.3	12.4	0.1	0.13	Negligible
R22	13.9	13.5	13.6	0.1	0.32	Negligible
R23	13.9	12.9	13.1	0.2	0.49	Negligible
R24	13.3	12.5	12.6	0.2	0.38	Negligible
R25	13.2	12.4	12.5	0.1	0.30	Negligible
R26	12.5	11.8	11.6	-0.2	-0.38	Negligible
R27	12.2	11.4	11.3	-0.1	-0.19	Negligible
R28	14.7	14.2	13.6	-0.6	-1.57	Negligible
R29	16.2	16.0	14.2	-1.8	-4.58	Negligible
R30	16.3	15.5	14.2	-1.3	-3.27	Negligible
R31	14.2	13.5	12.8	-0.8	-1.91	Negligible
R32	14.2	13.5	14.2	0.8	1.94	Negligible
R33	14.7	14.3	14.9	0.7	1.65	Negligible
R34	13.9	12.8	13.1	0.3	0.78	Negligible
R35	14.8	14.5	14.9	0.3	0.85	Negligible
R36	14.9	14.2	14.5	0.2	0.59	Negligible
R37	15.2	14.6	15.2	0.5	1.37	Negligible
R38	15.4	15.1	15.5	0.4	1.07	Negligible
R39	16.1	16.0	16.3	0.3	0.68	Negligible
R40	21.8	21.7	21.8	0.1	0.21	Negligible
R41	18.0	17.2	17.3	0.0	0.12	Negligible
R42	17.1	16.5	16.5	0.0	0.12	Negligible
R43	13.4	12.6	12.7	0.0	0.11	Negligible
R44	13.6	12.8	12.9	0.1	0.30	Negligible
R45	14.4	13.5	13.4	-0.1	-0.17	Negligible
R46	15.9	14.7	14.6	-0.1	-0.21	Negligible
R47	14.5	13.7	13.6	-0.1	-0.17	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R48	14.1	13.1	13.2	0.1	0.22	Negligible
R49	13.7	13.0	13.0	0.0	0.00	Negligible
R50	14.1	13.2	13.2	0.0	-0.01	Negligible
R51	13.1	12.3	12.5	0.2	0.53	Negligible
R52	13.3	12.6	12.5	0.0	-0.07	Negligible
R53	17.1	16.4	16.9	0.5	1.16	Negligible
R54	19.2	18.6	19.0	0.5	1.14	Negligible
R55	16.6	16.5	16.8	0.4	0.91	Negligible
R56	18.6	18.0	18.6	0.6	1.49	Negligible
R57	18.4	17.7	18.2	0.5	1.18	Negligible
R58	14.3	13.3	13.5	0.2	0.51	Negligible
R59	14.0	13.0	13.2	0.2	0.55	Negligible
R60	13.8	12.9	13.0	0.1	0.36	Negligible
R61	15.1	14.8	14.7	-0.1	-0.22	Negligible
R62	14.2	13.7	13.7	-0.1	-0.16	Negligible
R63	14.6	14.3	14.2	-0.1	-0.21	Negligible
R64	13.7	12.8	12.8	-0.1	-0.13	Negligible
R65	15.5	14.5	14.5	-0.1	-0.22	Negligible
R66	18.6	17.9	17.6	-0.2	-0.61	Negligible
R67	16.1	16.2	16.4	0.2	0.40	Negligible
R68	16.8	16.2	16.4	0.1	0.37	Negligible
R69	15.2	14.9	15.1	0.2	0.53	Negligible
R70	14.3	13.8	14.0	0.2	0.47	Negligible
R71	13.1	12.5	12.8	0.2	0.52	Negligible
R72	13.2	12.8	13.0	0.3	0.70	Negligible
R73	12.5	11.6	11.6	0.0	-0.08	Negligible
R74	12.0	11.1	11.0	0.0	-0.12	Negligible
R75	11.9	10.9	10.9	0.0	-0.04	Negligible
R76	13.5	12.8	12.7	-0.1	-0.31	Negligible
R77	13.0	11.9	12.1	0.2	0.46	Negligible
R78	17.3	16.5	16.4	-0.1	-0.26	Negligible
R79	17.7	16.9	16.9	0.0	-0.10	Negligible
R80	18.3	17.4	17.4	0.0	0.04	Negligible
R81	13.3	13.0	13.1	0.1	0.25	Negligible
R82	14.2	14.3	14.4	0.1	0.35	Negligible
R83	12.9	12.4	12.4	0.1	0.17	Negligible

Receptor ID	Annual Mean PM_{10} Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R84	13.6	13.4	13.5	0.1	0.29	Negligible
R85	13.9	13.3	13.3	0.1	0.19	Negligible
R86	14.1	13.1	13.0	-0.1	-0.31	Negligible
R87	14.2	13.6	13.2	-0.4	-0.97	Negligible
R88	13.9	13.3	13.4	0.0	0.08	Negligible
R89	13.0	12.3	12.3	0.0	0.06	Negligible
R90	24.0	23.1	23.2	0.1	0.35	Negligible
R91	13.4	12.6	12.6	0.0	-0.05	Negligible
R92	12.9	11.9	11.9	0.0	-0.01	Negligible
R93	23.9	22.4	22.6	0.2	0.44	Negligible
R94	21.2	19.8	19.9	0.1	0.34	Negligible
R95	16.1	14.9	15.0	0.0	0.02	Negligible
R96	14.6	13.5	13.5	0.0	0.01	Negligible
R97	17.0	15.9	16.0	0.0	0.02	Negligible
R98	14.4	13.3	13.3	0.0	0.04	Negligible
R99	14.7	13.6	13.6	0.0	0.04	Negligible
R100	16.7	15.4	15.4	0.0	0.10	Negligible
R101	14.7	13.5	13.5	0.0	0.06	Negligible
R102	13.2	11.9	12.0	0.0	0.03	Negligible
R103	12.9	11.7	11.7	0.0	0.02	Negligible
R104	12.8	11.7	11.7	0.0	0.01	Negligible
R105	14.1	13.0	13.0	0.0	0.01	Negligible
R106	14.2	13.1	13.1	0.0	0.01	Negligible
R107	14.8	13.6	13.6	0.0	0.03	Negligible
R108	17.0	15.8	15.9	0.0	0.05	Negligible
R109	18.6	17.4	17.5	0.1	0.16	Negligible
R110	16.7	15.6	15.6	0.0	0.07	Negligible

Table 4.5.24: Predicted $PM_{2.5}$ Concentration Changes due to 2042 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R1	8.0	7.1	7.1	0.0	0.20	Negligible
R2	7.8	6.9	6.6	-0.3	-3.09	Negligible
R3	7.5	6.6	6.6	0.0	-0.14	Negligible
R4	7.6	6.8	6.7	-0.1	-0.53	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R5	7.9	7.0	6.7	-0.3	-2.93	Negligible
R6	8.0	7.2	6.9	-0.3	-2.71	Negligible
R7	6.6	5.7	5.7	0.0	0.24	Negligible
R8	7.2	6.6	6.7	0.1	0.83	Negligible
R9	7.6	7.1	7.2	0.2	1.68	Negligible
R10	6.8	6.0	6.0	0.0	0.50	Negligible
R11	7.5	6.7	6.7	0.0	0.02	Negligible
R12	9.6	8.7	8.8	0.0	0.48	Negligible
R13	9.0	8.1	8.2	0.0	0.42	Negligible
R14	10.6	9.7	9.8	0.1	0.76	Minor Adverse
R15	10.2	9.4	9.5	0.1	0.75	Negligible
R16	8.1	7.1	7.1	0.1	0.58	Negligible
R17	7.2	6.3	6.3	0.0	0.31	Negligible
R18	7.5	6.6	6.7	0.1	0.59	Negligible
R19	7.0	6.2	6.1	-0.1	-0.80	Negligible
R20	7.1	6.2	6.3	0.0	0.47	Negligible
R21	7.2	6.4	6.4	0.0	0.31	Negligible
R22	7.4	6.8	6.9	0.1	0.71	Negligible
R23	7.4	6.5	6.6	0.1	1.07	Negligible
R24	7.0	6.3	6.3	0.1	0.82	Negligible
R25	7.0	6.2	6.3	0.1	0.65	Negligible
R26	6.7	5.9	5.8	-0.1	-0.83	Negligible
R27	6.6	5.8	5.7	0.0	-0.42	Negligible
R28	8.0	7.4	7.0	-0.3	-3.34	Negligible
R29	8.8	8.3	7.3	-1.0	-9.74	Moderate Benefit
R30	8.9	8.0	7.3	-0.7	-6.95	Moderate Benefit
R31	7.8	7.0	6.6	-0.4	-4.04	Negligible
R32	7.5	6.8	7.2	0.4	4.32	Negligible
R33	8.2	7.5	7.8	0.4	3.57	Minor Adverse
R34	7.7	6.7	6.9	0.2	1.77	Negligible
R35	8.2	7.6	7.8	0.2	1.85	Minor Adverse
R36	8.2	7.5	7.6	0.1	1.29	Negligible
R37	8.6	7.9	8.2	0.3	2.97	Minor Adverse
R38	8.7	8.1	8.4	0.2	2.31	Minor Adverse
R39	9.1	8.6	8.7	0.1	1.48	Negligible
R40	12.4	11.9	11.9	0.0	0.45	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R41	10.3	9.5	9.5	0.0	0.27	Negligible
R42	9.9	9.0	9.1	0.0	0.26	Negligible
R43	7.8	7.0	7.0	0.0	0.26	Negligible
R44	8.0	7.1	7.1	0.1	0.66	Negligible
R45	8.5	7.6	7.6	0.0	-0.35	Negligible
R46	9.2	8.1	8.0	0.0	-0.44	Negligible
R47	8.4	7.5	7.5	0.0	-0.36	Negligible
R48	7.3	6.4	6.5	0.1	0.51	Negligible
R49	7.1	6.3	6.3	0.0	0.03	Negligible
R50	7.3	6.4	6.4	0.0	0.00	Negligible
R51	6.8	6.0	6.2	0.1	1.14	Negligible
R52	7.2	6.4	6.4	0.0	-0.15	Negligible
R53	8.5	7.7	8.0	0.3	2.74	Minor Adverse
R54	9.8	9.0	9.3	0.3	2.69	Minor Adverse
R55	8.2	7.8	8.0	0.2	2.07	Minor Adverse
R56	9.4	8.6	8.9	0.4	3.51	Minor Adverse
R57	9.3	8.5	8.7	0.3	2.67	Minor Adverse
R58	7.5	6.6	6.7	0.1	1.16	Negligible
R59	7.6	6.6	6.7	0.1	1.25	Negligible
R60	7.9	7.0	7.1	0.1	0.86	Negligible
R61	8.1	7.6	7.5	0.0	-0.49	Negligible
R62	7.7	7.1	7.0	0.0	-0.35	Negligible
R63	8.1	7.5	7.5	0.0	-0.48	Negligible
R64	8.1	7.2	7.2	0.0	-0.29	Negligible
R65	7.4	6.5	6.4	0.0	-0.49	Negligible
R66	9.3	8.5	8.4	-0.1	-1.30	Negligible
R67	9.0	8.6	8.7	0.1	0.93	Negligible
R68	9.5	8.7	8.8	0.1	0.81	Negligible
R69	8.2	7.7	7.8	0.1	1.21	Negligible
R70	7.7	7.0	7.1	0.1	1.09	Negligible
R71	7.5	6.8	6.9	0.1	1.20	Negligible
R72	7.6	7.0	7.2	0.2	1.54	Negligible
R73	6.9	6.1	6.0	0.0	-0.18	Negligible
R74	6.9	6.1	6.1	0.0	-0.25	Negligible
R75	6.8	5.9	5.9	0.0	-0.08	Negligible
R76	7.5	6.8	6.7	-0.1	-0.66	Negligible

Receptor ID	Annual Mean $PM_{2.5}$ Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Objective	Impact Descriptor
	2024 Baseline	2042 Baseline	2042 With Development			
R77	7.2	6.3	6.4	0.1	1.00	Negligible
R78	8.2	7.3	7.3	-0.1	-0.56	Negligible
R79	8.5	7.6	7.6	0.0	-0.22	Negligible
R80	10.1	9.1	9.1	0.0	0.10	Negligible
R81	7.7	7.1	7.2	0.1	0.53	Negligible
R82	8.0	7.7	7.7	0.1	0.75	Negligible
R83	7.3	6.6	6.7	0.0	0.36	Negligible
R84	7.9	7.4	7.4	0.1	0.62	Negligible
R85	7.7	7.0	7.0	0.0	0.43	Negligible
R86	7.6	6.7	6.6	-0.1	-0.66	Negligible
R87	8.2	7.4	7.2	-0.2	-2.06	Negligible
R88	7.4	6.7	6.7	0.0	0.18	Negligible
R89	7.2	6.4	6.4	0.0	0.14	Negligible
R90	13.1	11.9	11.9	0.1	0.84	Moderate Adverse
R91	7.4	6.6	6.6	0.0	-0.09	Negligible
R92	7.4	6.4	6.4	0.0	-0.01	Negligible
R93	13.5	12.2	12.3	0.1	0.96	Moderate Adverse
R94	12.0	10.8	10.9	0.1	0.73	Moderate Adverse
R95	9.4	8.4	8.4	0.0	0.04	Negligible
R96	8.6	7.5	7.5	0.0	0.02	Negligible
R97	9.4	8.4	8.4	0.0	0.04	Negligible
R98	8.1	7.1	7.1	0.0	0.08	Negligible
R99	8.7	7.6	7.6	0.0	0.09	Negligible
R100	9.7	8.6	8.6	0.0	0.21	Negligible
R101	8.6	7.5	7.5	0.0	0.13	Negligible
R102	8.0	6.9	6.9	0.0	0.07	Negligible
R103	7.8	6.7	6.7	0.0	0.05	Negligible
R104	7.4	6.4	6.4	0.0	0.02	Negligible
R105	7.8	6.8	6.8	0.0	0.03	Negligible
R106	8.2	7.1	7.1	0.0	0.03	Negligible
R107	8.4	7.3	7.4	0.0	0.07	Negligible
R108	8.7	7.6	7.6	0.0	0.11	Negligible
R109	9.5	8.4	8.5	0.0	0.35	Negligible
R110	8.5	7.5	7.5	0.0	0.15	Negligible

Ecological Results Tables

2024 Baseline vs 2028 Peak Construction Phase Traffic

Table 4.5.25: Predicted NO_x Concentration Changes due to 2028 Peak Construction Traffic

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO1_A_10	7.4	9.3	9.3	0.0	0.00
ECO1_A_20	7.4	9.2	9.2	0.0	0.00
ECO1_A_30	7.4	9.1	9.1	0.0	0.00
ECO1_A_40	7.4	9.1	9.1	0.0	0.00
ECO1_A_50	7.4	9.0	9.0	0.0	0.00
ECO1_A_75	7.4	9.0	9.0	0.0	0.00
ECO1_A_100	7.4	8.9	8.9	0.0	0.00
ECO1_A_150	7.4	8.8	8.8	0.0	0.00
ECO1_A_200	7.4	8.8	8.8	0.0	0.00
ECO1_B_10	7.4	9.2	9.2	0.0	0.00
ECO1_B_20	7.4	9.1	9.1	0.0	0.00
ECO1_B_30	7.4	9.1	9.1	0.0	0.00
ECO1_B_40	8.1	9.8	9.8	0.0	0.00
ECO1_B_50	8.1	9.8	9.8	0.0	0.00
ECO1_B_75	8.1	9.8	9.8	0.0	0.00
ECO1_B_100	8.1	9.8	9.8	0.0	0.00
ECO1_B_150	8.1	10.0	10.0	0.0	0.01
ECO1_B_200	8.1	10.0	10.1	0.0	0.02
ECO1_C_10	15.1	23.2	24.0	0.7	2.43
ECO1_C_20	15.1	21.7	22.2	0.5	1.75
ECO1_C_30	15.1	20.9	21.3	0.4	1.40
ECO1_C_40	15.1	20.4	20.7	0.3	1.15
ECO1_C_50	15.1	20.0	20.3	0.3	1.00
ECO1_C_75	15.1	19.4	19.7	0.2	0.74
ECO1_C_100	15.1	19.1	19.2	0.2	0.58
ECO1_C_150	8.6	12.1	12.2	0.1	0.39
ECO1_C_200	8.6	11.8	11.9	0.1	0.29
ECO1_D_10	15.1	24.7	25.6	0.9	2.97
ECO1_D_20	15.1	23.0	23.6	0.7	2.20
ECO1_D_30	15.1	22.1	22.7	0.5	1.83
ECO1_D_40	15.1	21.6	22.0	0.5	1.57

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO1_D_50	15.1	21.2	21.6	0.4	1.39
ECO1_E_10	15.1	20.1	20.4	0.3	0.87
ECO1_E_20	15.1	20.2	20.5	0.3	0.93
ECO1_E_30	15.1	20.4	20.7	0.3	1.00
ECO1_E_40	15.1	20.5	20.9	0.3	1.09
ECO1_E_50	15.1	20.7	21.0	0.4	1.17
ECO1_F_10	15.1	19.9	20.2	0.2	0.77
ECO1_F_20	15.1	19.9	20.1	0.2	0.73
ECO1_F_30	15.1	19.8	20.0	0.2	0.69
ECO1_F_40	15.1	19.8	20.0	0.2	0.65
ECO1_F_50	15.1	19.7	19.9	0.2	0.61
ECO1_F_75	15.1	19.6	19.8	0.2	0.54
ECO1_F_100	15.1	19.6	19.7	0.1	0.48
ECO1_F_150	15.1	19.6	19.7	0.1	0.39
ECO1_F_200	15.1	19.6	19.7	0.1	0.33
ECO1_G_10	13.7	60.9	61.1	0.2	0.50
ECO1_G_20	13.7	51.6	51.7	0.1	0.43
ECO1_G_30	13.7	46.0	46.1	0.1	0.38
ECO1_G_40	13.7	42.1	42.2	0.1	0.34
ECO1_G_50	13.7	39.1	39.2	0.1	0.31
ECO1_G_75	13.7	34.1	34.2	0.1	0.26
ECO1_G_100	15.1	32.2	32.3	0.1	0.23
ECO1_G_150	15.1	28.1	28.2	0.1	0.18
ECO1_G_200	15.1	25.5	25.5	0.0	0.16
ECO1_H_10	13.7	81.1	81.3	0.2	0.71
ECO1_H_20	9.1	63.4	63.6	0.2	0.58
ECO1_H_30	9.1	55.8	56.0	0.2	0.51
ECO1_H_40	9.1	51.1	51.3	0.1	0.47
ECO1_H_50	9.1	47.2	47.3	0.1	0.43
ECO1_H_75	9.1	40.7	40.8	0.1	0.36
ECO1_H_100	9.1	36.1	36.2	0.1	0.31
ECO1_H_150	9.1	30.2	30.3	0.1	0.25
ECO1_H_200	9.1	26.2	26.3	0.1	0.19
ECO2_A_15	15.1	59.0	59.2	0.1	0.48
ECO2_A_25	15.1	51.1	51.2	0.1	0.42
ECO2_A_35	15.1	46.1	46.2	0.1	0.37

Receptor ID	Annual Mean NO_x Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO2_A_45	15.1	42.6	42.7	0.1	0.34
ECO2_A_55	15.1	39.9	40.0	0.1	0.31
ECO2_A_80	15.1	35.2	35.3	0.1	0.27
ECO2_A_105	15.1	32.0	32.1	0.1	0.23
ECO2_A_155	15.1	28.0	28.0	0.1	0.19
ECO3_A	8.0	14.2	14.3	0.0	0.09
ECO3_B_	8.0	14.5	14.6	0.0	0.14
ECO3_C_	8.0	15.3	15.3	0.1	0.28
ECO4_A_10	10.1	20.0	20.0	0.0	0.09
ECO4_A_20	10.1	19.7	19.7	0.0	0.09
ECO4_A_30	10.1	19.6	19.6	0.0	0.09
ECO4_A_40	10.1	19.5	19.6	0.0	0.09
ECO4_A_50	10.1	19.5	19.6	0.0	0.10
ECO4_A_75	10.1	19.7	19.7	0.0	0.10
ECO4_A_100	10.1	20.0	20.0	0.0	0.10
ECO5_A_125	9.4	20.2	20.2	0.0	0.00
ECO5_A_150	9.4	19.3	19.3	0.0	0.00
ECO5_A_200	9.4	17.6	17.6	0.0	0.00
ECO6_A_10	7.9	22.6	22.6	0.0	0.00
ECO6_A_20	7.9	19.5	19.5	0.0	0.00
ECO6_A_30	7.9	17.7	17.7	0.0	0.00
ECO6_A_40	7.9	16.5	16.5	0.0	0.00
ECO6_A_50	7.9	15.5	15.5	0.0	0.00
ECO6_A_75	7.9	14.1	14.1	0.0	0.00
ECO6_A_100	7.9	13.1	13.1	0.0	0.00
ECO6_A_150	7.9	12.0	12.0	0.0	0.00
ECO6_A_200	7.9	11.3	11.3	0.0	0.00
ECO7_A_150	7.5	11.9	11.9	0.0	0.00
ECO7_A_200	7.5	11.3	11.3	0.0	0.00
ECO8_A_10	10.2	91.2	91.2	0.0	0.00
ECO8_A_20	10.2	75.4	75.4	0.0	0.00
ECO8_A_30	10.2	66.2	66.2	0.0	0.00
ECO8_A_40	10.2	59.7	59.7	0.0	0.00
ECO8_A_50	10.2	54.5	54.5	0.0	0.00
ECO8_A_75	10.2	45.9	45.9	0.0	0.00
ECO8_B_10	10.2	92.1	92.1	0.0	0.00

Receptor ID	Annual Mean NO_x Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO8_B_20	10.2	79.0	79.0	0.0	0.00
ECO8_B_30	10.2	69.7	69.7	0.0	0.00
ECO8_B_40	10.2	63.5	63.5	0.0	0.00
ECO8_B_50	10.2	58.6	58.6	0.0	0.00
ECO8_B_75	10.2	49.7	49.7	0.0	0.00
ECO8_B_100	10.2	43.4	43.4	0.0	0.00
ECO9_A_15	9.6	52.8	52.8	0.0	0.00
ECO9_A_25	9.6	45.9	45.9	0.0	0.00
ECO9_A_35	9.6	41.3	41.3	0.0	0.00
ECO9_A_45	9.6	37.8	37.8	0.0	0.00
ECO9_A_55	9.6	35.1	35.1	0.0	0.00
ECO9_A_80	9.6	30.2	30.2	0.0	0.00
ECO9_A_105	9.6	26.9	26.9	0.0	0.00
ECO9_A_155	9.0	22.0	22.0	0.0	0.00
ECO9_A_205	9.0	19.2	19.2	0.0	0.00
ECO9_B_10	9.6	77.3	77.3	0.0	0.00
ECO9_B_20	9.6	64.6	64.6	0.0	0.00
ECO9_B_30	9.6	56.9	56.9	0.0	0.00
ECO9_B_40	9.6	51.6	51.6	0.0	0.00
ECO10_A_30	8.4	17.4	17.4	0.0	0.04
ECO10_A_40	8.4	16.4	16.4	0.0	0.03
ECO10_A_50	8.4	15.7	15.8	0.0	0.03
ECO10_A_60	8.4	15.3	15.3	0.0	0.03
ECO10_A_70	8.4	14.9	14.9	0.0	0.02
ECO10_A_95	8.4	14.2	14.2	0.0	0.02
ECO10_A_120	8.4	13.7	13.7	0.0	0.02
ECO10_A_170	8.4	13.1	13.1	0.0	0.01
ECO11_A_15	10.8	53.8	53.9	0.1	0.37
ECO11_A_25	10.8	46.7	46.8	0.1	0.31
ECO11_A_35	10.8	41.6	41.7	0.1	0.27
ECO11_A_45	10.8	38.0	38.1	0.1	0.24
ECO11_A_55	10.8	35.5	35.5	0.1	0.22
ECO11_A_80	10.8	30.7	30.8	0.1	0.18
ECO11_A_105	10.8	27.4	27.5	0.0	0.15
ECO11_A_155	10.8	23.4	23.4	0.0	0.11
ECO11_A_205	10.8	20.8	20.9	0.0	0.09

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO12_A_10	8.3	15.9	15.9	0.0	0.04
ECO12_A_20	8.3	14.7	14.7	0.0	0.03
ECO12_A_30	8.3	14.1	14.1	0.0	0.03
ECO12_A_40	8.3	13.6	13.6	0.0	0.03
ECO12_A_50	8.3	13.3	13.3	0.0	0.02
ECO12_A_75	8.3	12.7	12.8	0.0	0.02
ECO12_A_100	8.3	12.4	12.4	0.0	0.02
ECO12_A_150	8.3	12.0	12.0	0.0	0.02
ECO12_A_200	8.3	11.8	11.8	0.0	0.02
ECO13_A_125	10.0	39.5	39.5	0.0	0.00
ECO13_A_150	10.0	36.1	36.1	0.0	0.00
ECO13_A_200	10.0	30.9	30.9	0.0	0.00
ECO14_A_50	10.3	63.6	63.6	0.0	0.00
ECO14_A_75	10.3	53.2	53.2	0.0	0.00
ECO15_A_20	12.9	111.8	111.8	0.0	0.00
ECO15_A_30	12.9	101.0	101.0	0.0	0.00
ECO15_A_40	12.9	92.5	92.5	0.0	0.00
ECO15_A_50	12.9	85.9	85.9	0.0	0.00
ECO15_A_75	12.9	74.0	74.0	0.0	0.00
ECO15_A_100	12.9	65.9	65.9	0.0	0.00
ECO16_A_30	9.3	54.7	54.7	0.0	0.00
ECO16_A_40	9.3	49.1	49.1	0.0	0.00
ECO16_A_50	9.3	45.0	45.0	0.0	0.00
ECO16_A_75	9.3	38.1	38.1	0.0	0.00
ECO16_A_100	9.3	33.7	33.7	0.0	0.00
ECO16_A_150	9.3	27.9	27.9	0.0	0.00
ECO16_A_200	9.3	24.4	24.4	0.0	0.00
ECO17_A_10	12.2	46.6	46.6	0.0	0.00
ECO17_A_20	12.2	36.5	36.5	0.0	0.00
ECO17_A_30	12.2	31.4	31.4	0.0	0.00
ECO17_A_40	12.2	28.0	28.0	0.0	0.00
ECO17_A_50	12.2	25.9	25.9	0.0	0.00
ECO17_A_75	12.2	23.2	23.2	0.0	0.00
ECO17_A_100	12.2	21.1	21.1	0.0	0.00
ECO17_A_150	12.2	18.7	18.7	0.0	0.00
ECO17_A_200	12.2	17.4	17.4	0.0	0.00

Receptor ID	Annual Mean NO_x Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO17_B_10	13.2	42.7	42.7	0.0	0.00
ECO17_B_20	13.2	35.8	35.8	0.0	0.00
ECO17_B_30	13.2	32.1	32.1	0.0	0.00
ECO17_B_40	13.2	29.3	29.3	0.0	0.00
ECO17_B_50	13.2	27.6	27.6	0.0	0.00
ECO17_B_75	13.2	25.3	25.3	0.0	0.00
ECO17_B_100	13.2	23.3	23.3	0.0	0.00
ECO17_B_150	13.2	21.1	21.1	0.0	0.00
ECO17_B_200	13.2	19.7	19.7	0.0	0.00
ECO17_C_10	10.6	20.7	20.7	0.0	0.00
ECO17_C_20	10.6	18.1	18.1	0.0	0.00
ECO17_C_30	10.6	16.5	16.5	0.0	0.00
ECO17_C_40	10.6	15.5	15.5	0.0	0.00
ECO17_C_50	10.6	14.9	14.9	0.0	0.00
ECO17_C_75	10.6	14.2	14.2	0.0	0.00
ECO17_C_100	10.6	13.6	13.6	0.0	0.00
ECO17_C_150	10.6	12.9	12.9	0.0	0.00
ECO17_C_200	10.6	12.5	12.5	0.0	0.00

Table 4.5.26: Predicted NH_3 Concentration Changes due to 2028 Peak Construction Traffic

Receptor ID	Annual Mean NH_3 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO1_A_10	1.58	1.79	1.79	0.00	0.03
ECO1_A_20	1.58	1.77	1.78	0.00	0.03
ECO1_A_30	1.58	1.77	1.77	0.00	0.03
ECO1_A_40	1.58	1.76	1.76	0.00	0.03
ECO1_A_50	1.58	1.76	1.76	0.00	0.03
ECO1_A_75	1.58	1.75	1.75	0.00	0.02
ECO1_A_100	1.58	1.75	1.75	0.00	0.02
ECO1_A_150	1.58	1.74	1.74	0.00	0.02
ECO1_A_200	1.58	1.73	1.73	0.00	0.02
ECO1_B_10	1.58	1.77	1.78	0.00	0.03
ECO1_B_20	1.58	1.77	1.77	0.00	0.03
ECO1_B_30	1.58	1.77	1.77	0.00	0.03
ECO1_B_40	1.58	1.77	1.77	0.00	0.03

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO1_B_50	1.58	1.77	1.77	0.00	0.03
ECO1_B_75	1.58	1.77	1.77	0.00	0.03
ECO1_B_100	1.58	1.77	1.77	0.00	0.03
ECO1_B_150	1.58	1.78	1.79	0.00	0.04
ECO1_B_200	1.58	1.80	1.80	0.00	0.05
ECO1_C_10	1.61	2.50	2.57	0.07	2.30
ECO1_C_20	1.61	2.33	2.38	0.05	1.67
ECO1_C_30	1.61	2.25	2.29	0.04	1.34
ECO1_C_40	1.61	2.18	2.22	0.03	1.11
ECO1_C_50	1.61	2.15	2.18	0.03	0.97
ECO1_C_75	1.61	2.08	2.11	0.02	0.73
ECO1_C_100	1.61	2.04	2.06	0.02	0.58
ECO1_C_150	1.61	2.00	2.01	0.01	0.40
ECO1_C_200	1.61	1.97	1.97	0.01	0.30
ECO1_D_10	1.63	2.68	2.76	0.08	2.79
ECO1_D_20	1.63	2.49	2.55	0.06	2.08
ECO1_D_30	1.63	2.40	2.45	0.05	1.74
ECO1_D_40	1.63	2.34	2.38	0.05	1.50
ECO1_D_50	1.63	2.29	2.33	0.04	1.33
ECO1_E_10	1.63	2.18	2.21	0.03	0.84
ECO1_E_20	1.63	2.19	2.22	0.03	0.90
ECO1_E_30	1.63	2.21	2.24	0.03	0.97
ECO1_E_40	1.63	2.22	2.26	0.03	1.05
ECO1_E_50	1.63	2.24	2.28	0.03	1.13
ECO1_F_10	1.63	2.16	2.18	0.02	0.75
ECO1_F_20	1.63	2.15	2.17	0.02	0.71
ECO1_F_30	1.63	2.15	2.17	0.02	0.67
ECO1_F_40	1.63	2.14	2.16	0.02	0.64
ECO1_F_50	1.63	2.14	2.15	0.02	0.60
ECO1_F_75	1.63	2.13	2.14	0.02	0.53
ECO1_F_100	1.63	2.12	2.14	0.01	0.48
ECO1_F_150	1.63	2.12	2.13	0.01	0.39
ECO1_F_200	1.63	2.12	2.13	0.01	0.33
ECO1_G_10	1.63	6.81	6.82	0.02	0.53
ECO1_G_20	1.63	5.78	5.80	0.01	0.43
ECO1_G_30	1.63	5.16	5.18	0.01	0.37

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO1_G_40	1.63	4.74	4.75	0.01	0.33
ECO1_G_50	1.63	4.42	4.42	0.01	0.31
ECO1_G_75	1.63	3.86	3.87	0.01	0.25
ECO1_G_100	1.63	3.50	3.51	0.01	0.22
ECO1_G_150	1.63	3.05	3.06	0.01	0.18
ECO1_G_200	1.63	2.77	2.77	0.00	0.16
ECO1_H_10	1.70	9.01	9.02	0.01	0.45
ECO1_H_20	1.70	7.60	7.61	0.01	0.41
ECO1_H_30	1.70	6.78	6.80	0.01	0.38
ECO1_H_40	1.70	6.28	6.29	0.01	0.36
ECO1_H_50	1.70	5.85	5.86	0.01	0.34
ECO1_H_75	1.70	5.14	5.15	0.01	0.30
ECO1_H_100	1.70	4.64	4.65	0.01	0.26
ECO1_H_150	1.70	4.01	4.01	0.01	0.21
ECO1_H_200	1.70	3.57	3.58	0.01	0.17
ECO2_A_15	1.63	6.44	6.46	0.02	0.51
ECO2_A_25	1.63	5.57	5.58	0.01	0.43
ECO2_A_35	1.63	5.02	5.03	0.01	0.37
ECO2_A_45	1.63	4.64	4.65	0.01	0.34
ECO2_A_55	1.63	4.34	4.35	0.01	0.31
ECO2_A_80	1.63	3.83	3.84	0.01	0.27
ECO2_A_105	1.63	3.48	3.49	0.01	0.24
ECO2_A_155	1.63	3.04	3.04	0.01	0.20
ECO3_A	1.70	2.06	2.06	0.00	0.04
ECO3_B_	1.70	2.07	2.07	0.00	0.03
ECO3_C_	1.70	2.12	2.12	0.00	0.01
ECO4_A_10	1.66	2.77	2.77	0.00	0.29
ECO4_A_20	1.66	2.73	2.73	0.00	0.30
ECO4_A_30	1.66	2.71	2.72	0.00	0.30
ECO4_A_40	1.66	2.71	2.71	0.00	0.30
ECO4_A_50	1.66	2.71	2.71	0.00	0.31
ECO4_A_75	1.66	2.72	2.73	0.00	0.31
ECO4_A_100	1.66	2.75	2.75	0.00	0.32
ECO5_A_125	1.54	2.16	2.16	0.00	0.00
ECO5_A_150	1.54	2.10	2.10	0.00	0.00
ECO5_A_200	1.54	2.00	2.00	0.00	0.00

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO6_A_10	1.46	2.34	2.34	0.00	0.00
ECO6_A_20	1.46	2.15	2.15	0.00	0.00
ECO6_A_30	1.46	2.04	2.04	0.00	0.00
ECO6_A_40	1.46	1.97	1.97	0.00	0.00
ECO6_A_50	1.46	1.91	1.91	0.00	0.00
ECO6_A_75	1.46	1.82	1.82	0.00	0.00
ECO6_A_100	1.46	1.77	1.77	0.00	0.00
ECO6_A_150	1.46	1.70	1.70	0.00	0.00
ECO6_A_200	1.46	1.66	1.66	0.00	0.00
ECO7_A_150	1.55	1.81	1.81	0.00	0.00
ECO7_A_200	1.55	1.77	1.77	0.00	0.00
ECO8_A_10	1.45	5.80	5.80	0.00	0.00
ECO8_A_20	1.45	4.95	4.95	0.00	0.00
ECO8_A_30	1.45	4.45	4.45	0.00	0.00
ECO8_A_40	1.45	4.11	4.11	0.00	0.00
ECO8_A_50	1.45	3.83	3.83	0.00	0.00
ECO8_A_75	1.45	3.37	3.37	0.00	0.00
ECO8_B_10	1.45	5.85	5.85	0.00	0.00
ECO8_B_20	1.45	5.14	5.14	0.00	0.00
ECO8_B_30	1.45	4.64	4.64	0.00	0.00
ECO8_B_40	1.45	4.31	4.31	0.00	0.00
ECO8_B_50	1.45	4.05	4.05	0.00	0.00
ECO8_B_75	1.45	3.57	3.57	0.00	0.00
ECO8_B_100	1.45	3.23	3.23	0.00	0.00
ECO9_A_15	1.52	3.84	3.84	0.00	0.00
ECO9_A_25	1.52	3.47	3.47	0.00	0.00
ECO9_A_35	1.52	3.22	3.22	0.00	0.00
ECO9_A_45	1.52	3.04	3.04	0.00	0.00
ECO9_A_55	1.52	2.89	2.89	0.00	0.00
ECO9_A_80	1.52	2.63	2.63	0.00	0.00
ECO9_A_105	1.52	2.45	2.45	0.00	0.00
ECO9_A_155	1.52	2.22	2.22	0.00	0.00
ECO9_A_205	1.52	2.07	2.07	0.00	0.00
ECO9_B_10	1.52	5.16	5.16	0.00	0.00
ECO9_B_20	1.52	4.48	4.48	0.00	0.00
ECO9_B_30	1.52	4.07	4.07	0.00	0.00

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO9_B_40	1.52	3.78	3.78	0.00	0.00
ECO10_A_30	1.65	2.65	2.65	0.00	0.13
ECO10_A_40	1.65	2.54	2.54	0.00	0.13
ECO10_A_50	1.65	2.47	2.47	0.00	0.13
ECO10_A_60	1.65	2.41	2.42	0.00	0.13
ECO10_A_70	1.65	2.37	2.37	0.00	0.13
ECO10_A_95	1.65	2.29	2.29	0.00	0.12
ECO10_A_120	1.65	2.24	2.24	0.00	0.12
ECO10_A_170	1.65	2.17	2.17	0.00	0.12
ECO11_A_15	1.74	6.48	6.49	0.01	0.38
ECO11_A_25	1.74	5.70	5.71	0.01	0.31
ECO11_A_35	1.74	5.14	5.15	0.01	0.26
ECO11_A_45	1.74	4.74	4.75	0.01	0.23
ECO11_A_55	1.74	4.46	4.47	0.01	0.21
ECO11_A_80	1.74	3.94	3.94	0.01	0.17
ECO11_A_105	1.74	3.58	3.58	0.00	0.14
ECO11_A_155	1.74	3.13	3.13	0.00	0.11
ECO11_A_205	1.74	2.85	2.85	0.00	0.08
ECO12_A_10	1.69	2.53	2.54	0.00	0.08
ECO12_A_20	1.69	2.41	2.41	0.00	0.08
ECO12_A_30	1.69	2.33	2.33	0.00	0.08
ECO12_A_40	1.69	2.28	2.28	0.00	0.08
ECO12_A_50	1.69	2.25	2.25	0.00	0.08
ECO12_A_75	1.69	2.19	2.19	0.00	0.08
ECO12_A_100	1.69	2.15	2.15	0.00	0.08
ECO12_A_150	1.69	2.11	2.11	0.00	0.08
ECO12_A_200	1.69	2.08	2.08	0.00	0.08
ECO13_A_125	1.68	3.26	3.26	0.00	0.00
ECO13_A_150	1.68	3.08	3.08	0.00	0.00
ECO13_A_200	1.68	2.80	2.80	0.00	0.00
ECO14_A_50	1.41	4.28	4.28	0.00	0.00
ECO14_A_75	1.41	3.72	3.72	0.00	0.00
ECO15_A_20	1.44	6.77	6.77	0.00	0.00
ECO15_A_30	1.44	6.18	6.18	0.00	0.00
ECO15_A_40	1.44	5.71	5.71	0.00	0.00
ECO15_A_50	1.44	5.36	5.36	0.00	0.00

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	Background	2024 Baseline	Peak Construction		
ECO15_A_75	1.44	4.72	4.72	0.00	0.00
ECO15_A_100	1.44	4.28	4.28	0.00	0.00
ECO16_A_30	1.39	3.83	3.83	0.00	0.00
ECO16_A_40	1.39	3.53	3.53	0.00	0.00
ECO16_A_50	1.39	3.31	3.31	0.00	0.00
ECO16_A_75	1.39	2.94	2.94	0.00	0.00
ECO16_A_100	1.39	2.70	2.70	0.00	0.00
ECO16_A_150	1.39	2.39	2.39	0.00	0.00
ECO16_A_200	1.39	2.20	2.20	0.00	0.00
ECO17_A_10	1.40	1.43	1.43	0.00	0.00
ECO17_A_20	1.40	1.43	1.43	0.00	0.00
ECO17_A_30	1.40	1.43	1.43	0.00	0.00
ECO17_A_40	1.40	1.43	1.43	0.00	0.00
ECO17_A_50	1.40	1.43	1.43	0.00	0.00
ECO17_A_75	1.40	1.43	1.43	0.00	0.00
ECO17_A_100	1.40	1.43	1.43	0.00	0.00
ECO17_A_150	1.40	1.44	1.44	0.00	0.00
ECO17_A_200	1.40	1.44	1.44	0.00	0.00
ECO17_B_10	1.40	1.42	1.42	0.00	0.00
ECO17_B_20	1.40	1.42	1.42	0.00	0.00
ECO17_B_30	1.40	1.42	1.42	0.00	0.00
ECO17_B_40	1.40	1.42	1.42	0.00	0.00
ECO17_B_50	1.40	1.42	1.42	0.00	0.00
ECO17_B_75	1.40	1.42	1.42	0.00	0.00
ECO17_B_100	1.40	1.42	1.42	0.00	0.00
ECO17_B_150	1.40	1.42	1.42	0.00	0.00
ECO17_B_200	1.40	1.42	1.42	0.00	0.00
ECO17_C_10	1.40	2.24	2.24	0.00	0.00
ECO17_C_20	1.40	2.01	2.01	0.00	0.00
ECO17_C_30	1.40	1.87	1.87	0.00	0.00
ECO17_C_40	1.40	1.78	1.78	0.00	0.00
ECO17_C_50	1.40	1.73	1.73	0.00	0.00
ECO17_C_75	1.40	1.66	1.66	0.00	0.00
ECO17_C_100	1.40	1.61	1.61	0.00	0.00
ECO17_C_150	1.40	1.55	1.55	0.00	0.00
ECO17_C_200	1.40	1.51	1.51	0.00	0.00

Table 4.5.27: Predicted Nitrogen Deposition Changes due to 2028 Peak Construction Traffic

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO1_A_10	16.42	17.97	17.97	0.00	0.04
ECO1_A_20	16.42	17.90	17.90	0.00	0.04
ECO1_A_30	16.42	17.86	17.87	0.00	0.04
ECO1_A_40	16.42	17.83	17.84	0.00	0.04
ECO1_A_50	16.42	17.81	17.82	0.00	0.04
ECO1_A_75	16.42	17.77	17.78	0.00	0.04
ECO1_A_100	16.42	17.74	17.74	0.00	0.04
ECO1_A_150	16.42	17.68	17.69	0.00	0.03
ECO1_A_200	16.42	17.64	17.64	0.00	0.03
ECO1_B_10	16.29	17.77	17.77	0.00	0.04
ECO1_B_20	16.29	17.74	17.74	0.00	0.04
ECO1_B_30	16.29	17.72	17.73	0.00	0.04
ECO1_B_40	16.29	17.72	17.72	0.00	0.04
ECO1_B_50	16.29	17.72	17.72	0.00	0.05
ECO1_B_75	16.29	17.73	17.74	0.00	0.05
ECO1_B_100	16.29	17.76	17.77	0.01	0.05
ECO1_B_150	16.29	17.83	17.84	0.01	0.06
ECO1_B_200	16.29	17.89	17.90	0.01	0.08
ECO1_C_10	16.00	21.55	21.96	0.41	4.09
ECO1_C_20	16.00	20.57	20.87	0.30	2.96
ECO1_C_30	16.00	20.06	20.30	0.24	2.38
ECO1_C_40	16.00	19.70	19.90	0.20	1.97
ECO1_C_50	16.00	19.49	19.66	0.17	1.73
ECO1_C_75	16.00	19.11	19.24	0.13	1.29
ECO1_C_100	16.00	18.88	18.99	0.10	1.03
ECO1_C_150	16.00	18.60	18.67	0.07	0.71
ECO1_C_200	16.00	18.42	18.48	0.05	0.53
ECO1_D_10	15.89	22.37	22.87	0.50	4.97
ECO1_D_20	15.89	21.26	21.63	0.37	3.70
ECO1_D_30	15.89	20.73	21.04	0.31	3.11
ECO1_D_40	15.89	20.36	20.63	0.27	2.67
ECO1_D_50	15.89	20.11	20.34	0.24	2.38
ECO1_E_10	15.89	19.45	19.60	0.15	1.50
ECO1_E_20	15.89	19.52	19.68	0.16	1.60

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO1_E_30	15.89	19.60	19.77	0.17	1.73
ECO1_E_40	15.89	19.71	19.89	0.19	1.87
ECO1_E_50	15.89	19.81	20.01	0.20	2.02
ECO1_F_10	15.89	19.32	19.46	0.13	1.34
ECO1_F_20	15.89	19.28	19.41	0.13	1.27
ECO1_F_30	15.89	19.24	19.37	0.12	1.21
ECO1_F_40	15.89	19.21	19.33	0.11	1.12
ECO1_F_50	15.89	19.19	19.29	0.11	1.07
ECO1_F_75	15.89	19.14	19.23	0.09	0.95
ECO1_F_100	15.89	19.11	19.19	0.09	0.86
ECO1_F_150	15.89	19.09	19.16	0.07	0.70
ECO1_F_200	15.89	19.12	19.18	0.06	0.59
ECO1_G_10	15.89	46.14	46.23	0.09	0.90
ECO1_G_20	15.89	40.29	40.37	0.07	0.74
ECO1_G_30	15.89	36.75	36.82	0.06	0.64
ECO1_G_40	15.89	34.29	34.35	0.06	0.59
ECO1_G_50	15.89	32.44	32.49	0.05	0.53
ECO1_G_75	15.89	29.25	29.30	0.04	0.44
ECO1_G_100	15.89	27.16	27.20	0.04	0.39
ECO1_G_150	15.89	24.53	24.56	0.03	0.33
ECO1_G_200	15.89	22.87	22.90	0.03	0.28
ECO1_H_10	15.51	57.84	57.92	0.08	0.80
ECO1_H_20	15.51	49.86	49.93	0.07	0.73
ECO1_H_30	15.51	45.24	45.31	0.07	0.68
ECO1_H_40	15.51	42.34	42.41	0.06	0.65
ECO1_H_50	15.51	39.90	39.96	0.06	0.60
ECO1_H_75	15.51	35.83	35.88	0.05	0.54
ECO1_H_100	15.51	32.97	33.02	0.05	0.47
ECO1_H_150	15.51	29.29	29.33	0.04	0.37
ECO1_H_200	15.51	26.79	26.82	0.03	0.30
ECO2_A_15	15.89	44.04	44.13	0.09	1.77
ECO2_A_25	15.89	39.06	39.14	0.07	1.47
ECO2_A_35	15.89	35.94	36.00	0.06	1.28
ECO2_A_45	15.89	33.72	33.78	0.06	1.17
ECO2_A_55	15.89	32.03	32.08	0.05	1.09
ECO2_A_80	15.89	29.04	29.09	0.05	0.95

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO2_A_105	15.89	27.04	27.08	0.04	0.83
ECO2_A_155	15.89	24.44	24.48	0.04	0.70
ECO3_A	28.32	32.66	32.67	0.01	0.09
ECO3_B_	28.32	32.84	32.85	0.01	0.08
ECO3_C_	28.32	33.29	33.30	0.01	0.12
ECO4_A_10	29.28	40.02	40.05	0.03	0.26
ECO4_A_20	29.28	39.66	39.69	0.03	0.26
ECO4_A_30	29.28	39.53	39.56	0.03	0.26
ECO4_A_40	29.28	39.47	39.50	0.03	0.27
ECO4_A_50	29.28	39.48	39.51	0.03	0.27
ECO4_A_75	29.28	39.62	39.65	0.03	0.27
ECO4_A_100	29.28	39.84	39.87	0.03	0.31
ECO5_A_125	14.43	18.74	18.74	0.00	0.00
ECO5_A_150	14.43	18.40	18.40	0.00	0.00
ECO5_A_200	14.43	17.76	17.76	0.00	0.00
ECO6_A_10	26.82	36.54	36.54	0.00	0.00
ECO6_A_20	26.82	34.63	34.63	0.00	0.00
ECO6_A_30	26.82	33.55	33.55	0.00	0.00
ECO6_A_40	26.82	32.82	32.82	0.00	0.00
ECO6_A_50	26.82	32.25	32.25	0.00	0.00
ECO6_A_75	26.82	31.36	31.36	0.00	0.00
ECO6_A_100	26.82	30.79	30.79	0.00	0.00
ECO6_A_150	26.82	30.08	30.08	0.00	0.00
ECO6_A_200	26.82	29.66	29.66	0.00	0.00
ECO7_A_150	14.38	16.43	16.43	0.00	0.00
ECO7_A_200	14.38	16.19	16.19	0.00	0.00
ECO8_A_10	26.14	69.87	69.87	0.00	0.00
ECO8_A_20	26.14	61.85	61.85	0.00	0.00
ECO8_A_30	26.14	57.12	57.12	0.00	0.00
ECO8_A_40	26.14	53.77	53.77	0.00	0.00
ECO8_A_50	26.14	51.03	51.03	0.00	0.00
ECO8_A_75	26.14	46.44	46.44	0.00	0.00
ECO8_B_10	26.14	70.33	70.33	0.00	0.00
ECO8_B_20	26.14	63.72	63.72	0.00	0.00
ECO8_B_30	26.14	58.93	58.93	0.00	0.00
ECO8_B_40	26.14	55.71	55.71	0.00	0.00

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO8_B_50	26.14	53.17	53.17	0.00	0.00
ECO8_B_75	26.14	48.46	48.46	0.00	0.00
ECO8_B_100	26.14	45.11	45.11	0.00	0.00
ECO9_A_15	26.99	51.41	51.41	0.00	0.00
ECO9_A_25	26.99	47.76	47.76	0.00	0.00
ECO9_A_35	26.99	45.29	45.29	0.00	0.00
ECO9_A_45	26.99	43.43	43.43	0.00	0.00
ECO9_A_55	26.99	41.96	41.96	0.00	0.00
ECO9_A_80	26.99	39.31	39.31	0.00	0.00
ECO9_A_105	26.99	37.49	37.49	0.00	0.00
ECO9_A_155	26.99	35.09	35.09	0.00	0.00
ECO9_A_205	26.99	33.58	33.58	0.00	0.00
ECO9_B_10	26.99	64.15	64.15	0.00	0.00
ECO9_B_20	26.99	57.60	57.60	0.00	0.00
ECO9_B_30	26.99	53.63	53.63	0.00	0.00
ECO9_B_40	26.99	50.82	50.82	0.00	0.00
ECO10_A_30	29.50	39.27	39.28	0.01	0.10
ECO10_A_40	29.50	38.29	38.30	0.01	0.10
ECO10_A_50	29.50	37.60	37.61	0.01	0.10
ECO10_A_60	29.50	37.13	37.14	0.01	0.13
ECO10_A_70	29.50	36.71	36.72	0.01	0.10
ECO10_A_95	29.50	36.01	36.02	0.01	0.10
ECO10_A_120	29.50	35.54	35.54	0.01	0.09
ECO10_A_170	29.50	34.89	34.90	0.01	0.12
ECO11_A_15	28.63	71.77	71.87	0.10	1.01
ECO11_A_25	28.63	64.90	64.98	0.08	0.84
ECO11_A_35	28.63	59.93	60.01	0.07	0.73
ECO11_A_45	28.63	56.40	56.47	0.07	0.65
ECO11_A_55	28.63	53.89	53.95	0.06	0.57
ECO11_A_80	28.63	49.20	49.25	0.04	0.45
ECO11_A_105	28.63	45.95	45.99	0.04	0.39
ECO11_A_155	28.63	41.91	41.94	0.03	0.31
ECO11_A_205	28.63	39.39	39.41	0.02	0.23
ECO12_A_10	29.14	37.49	37.50	0.01	0.09
ECO12_A_20	29.14	36.33	36.34	0.01	0.06
ECO12_A_30	29.14	35.66	35.67	0.01	0.06

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO12_A_40	29.14	35.21	35.22	0.01	0.06
ECO12_A_50	29.14	34.88	34.89	0.01	0.06
ECO12_A_75	29.14	34.34	34.35	0.01	0.06
ECO12_A_100	29.14	33.99	34.00	0.01	0.07
ECO12_A_150	29.14	33.60	33.61	0.01	0.07
ECO12_A_200	29.14	33.38	33.39	0.01	0.07
ECO13_A_125	27.36	44.47	44.47	0.00	0.00
ECO13_A_150	27.36	42.64	42.64	0.00	0.00
ECO13_A_200	27.36	39.81	39.81	0.00	0.00
ECO14_A_50	25.55	55.22	55.22	0.00	0.00
ECO14_A_75	25.55	49.74	49.74	0.00	0.00
ECO15_A_20	26.58	79.42	79.42	0.00	0.00
ECO15_A_30	26.58	73.96	73.96	0.00	0.00
ECO15_A_40	26.58	69.62	69.62	0.00	0.00
ECO15_A_50	26.58	66.26	66.26	0.00	0.00
ECO15_A_75	26.58	60.18	60.18	0.00	0.00
ECO15_A_100	26.58	56.01	56.01	0.00	0.00
ECO16_A_30	13.62	29.52	29.52	0.00	0.00
ECO16_A_40	13.62	27.64	27.64	0.00	0.00
ECO16_A_50	13.62	26.26	26.26	0.00	0.00
ECO16_A_75	13.62	23.93	23.93	0.00	0.00
ECO16_A_100	13.62	22.42	22.42	0.00	0.00
ECO16_A_150	13.62	20.46	20.46	0.00	0.00
ECO16_A_200	13.62	19.24	19.24	0.00	0.00
ECO17_A_10	13.90	16.66	16.66	0.00	0.00
ECO17_A_20	13.90	16.05	16.05	0.00	0.00
ECO17_A_30	13.90	15.73	15.73	0.00	0.00
ECO17_A_40	13.90	15.51	15.51	0.00	0.00
ECO17_A_50	13.90	15.37	15.37	0.00	0.00
ECO17_A_75	13.90	15.19	15.19	0.00	0.00
ECO17_A_100	13.90	15.05	15.05	0.00	0.00
ECO17_A_150	13.90	14.90	14.90	0.00	0.00
ECO17_A_200	13.90	14.82	14.82	0.00	0.00
ECO17_B_10	14.00	16.43	16.43	0.00	0.00
ECO17_B_20	14.00	16.00	16.00	0.00	0.00
ECO17_B_30	14.00	15.76	15.76	0.00	0.00

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO17_B_40	14.00	15.58	15.58	0.00	0.00
ECO17_B_50	14.00	15.46	15.46	0.00	0.00
ECO17_B_75	14.00	15.30	15.30	0.00	0.00
ECO17_B_100	14.00	15.16	15.16	0.00	0.00
ECO17_B_150	14.00	15.00	15.00	0.00	0.00
ECO17_B_200	14.00	14.90	14.90	0.00	0.00
ECO17_C_10	13.90	19.34	19.34	0.00	0.00
ECO17_C_20	13.90	17.93	17.93	0.00	0.00
ECO17_C_30	13.90	17.12	17.12	0.00	0.00
ECO17_C_40	13.90	16.59	16.59	0.00	0.00
ECO17_C_50	13.90	16.26	16.26	0.00	0.00
ECO17_C_75	13.90	15.86	15.86	0.00	0.00
ECO17_C_100	13.90	15.52	15.52	0.00	0.00
ECO17_C_150	13.90	15.16	15.16	0.00	0.00
ECO17_C_200	13.90	14.96	14.96	0.00	0.00

Table 4.5.28: Predicted Acid Deposition Changes due to 2028 Peak Construction Traffic

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO1_A_10	1.25	1.36	1.36	0.00	0.03
ECO1_A_20	1.25	1.36	1.36	0.00	0.03
ECO1_A_30	1.25	1.35	1.35	0.00	0.03
ECO1_A_40	1.25	1.35	1.35	0.00	0.03
ECO1_A_50	1.25	1.35	1.35	0.00	0.03
ECO1_A_75	1.25	1.35	1.35	0.00	0.03
ECO1_A_100	1.25	1.34	1.34	0.00	0.03
ECO1_A_150	1.25	1.34	1.34	0.00	0.02
ECO1_A_200	1.25	1.34	1.34	0.00	0.02
ECO1_B_10	1.24	1.35	1.35	0.00	0.03
ECO1_B_20	1.24	1.34	1.34	0.00	0.03
ECO1_B_30	1.24	1.34	1.34	0.00	0.03
ECO1_B_40	1.24	1.34	1.34	0.00	0.03
ECO1_B_50	1.24	1.34	1.34	0.00	0.03
ECO1_B_75	1.24	1.34	1.34	0.00	0.03

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO1_B_100	1.24	1.34	1.35	0.00	0.04
ECO1_B_150	1.24	1.35	1.35	0.00	0.05
ECO1_B_200	1.24	1.35	1.35	0.00	0.05
ECO1_C_10	1.21	1.60	1.63	0.03	2.91
ECO1_C_20	1.21	1.54	1.56	0.02	2.11
ECO1_C_30	1.21	1.50	1.52	0.02	1.69
ECO1_C_40	1.21	1.47	1.49	0.01	1.40
ECO1_C_50	1.21	1.46	1.47	0.01	1.23
ECO1_C_75	1.21	1.43	1.44	0.01	0.92
ECO1_C_100	1.21	1.42	1.42	0.01	0.73
ECO1_C_150	1.21	1.40	1.40	0.01	0.51
ECO1_C_200	1.21	1.38	1.39	0.00	0.38
ECO1_D_10	1.20	1.66	1.70	0.04	3.54
ECO1_D_20	1.20	1.58	1.61	0.03	2.63
ECO1_D_30	1.20	1.54	1.57	0.02	2.21
ECO1_D_40	1.20	1.52	1.54	0.02	1.90
ECO1_D_50	1.20	1.50	1.52	0.02	1.69
ECO1_E_10	1.20	1.45	1.46	0.01	1.07
ECO1_E_20	1.20	1.46	1.47	0.01	1.14
ECO1_E_30	1.20	1.46	1.48	0.01	1.23
ECO1_E_40	1.20	1.47	1.48	0.01	1.33
ECO1_E_50	1.20	1.48	1.49	0.01	1.44
ECO1_F_10	1.20	1.44	1.45	0.01	0.96
ECO1_F_20	1.20	1.44	1.45	0.01	0.90
ECO1_F_30	1.20	1.44	1.45	0.01	0.86
ECO1_F_40	1.20	1.44	1.44	0.01	0.80
ECO1_F_50	1.20	1.43	1.44	0.01	0.76
ECO1_F_75	1.20	1.43	1.44	0.01	0.68
ECO1_F_100	1.20	1.43	1.44	0.01	0.61
ECO1_F_150	1.20	1.43	1.43	0.00	0.50
ECO1_F_200	1.20	1.43	1.43	0.00	0.42
ECO1_G_10	1.20	3.35	3.36	0.01	0.64
ECO1_G_20	1.20	2.94	2.94	0.01	0.53
ECO1_G_30	1.20	2.69	2.69	0.00	0.46
ECO1_G_40	1.20	2.51	2.51	0.00	0.42
ECO1_G_50	1.20	2.38	2.38	0.00	0.38

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO1_G_75	1.20	2.15	2.15	0.00	0.31
ECO1_G_100	1.20	2.00	2.00	0.00	0.28
ECO1_G_150	1.20	1.81	1.82	0.00	0.23
ECO1_G_200	1.20	1.70	1.70	0.00	0.20
ECO1_H_10	1.17	4.18	4.19	0.01	0.57
ECO1_H_20	1.17	3.61	3.62	0.01	0.52
ECO1_H_30	1.17	3.29	3.29	0.00	0.49
ECO1_H_40	1.17	3.08	3.08	0.00	0.46
ECO1_H_50	1.17	2.91	2.91	0.00	0.43
ECO1_H_75	1.17	2.62	2.62	0.00	0.38
ECO1_H_100	1.17	2.41	2.42	0.00	0.33
ECO1_H_150	1.17	2.15	2.15	0.00	0.27
ECO1_H_200	1.17	1.97	1.97	0.00	0.21
ECO2_A_15	1.20	3.20	3.21	0.01	0.63
ECO2_A_25	1.20	2.85	2.85	0.01	0.52
ECO2_A_35	1.20	2.63	2.63	0.00	0.46
ECO2_A_45	1.20	2.47	2.47	0.00	0.42
ECO2_A_55	1.20	2.35	2.35	0.00	0.39
ECO2_A_80	1.20	2.14	2.14	0.00	0.34
ECO2_A_105	1.20	1.99	2.00	0.00	0.29
ECO2_A_155	1.20	1.81	1.81	0.00	0.25
ECO3_A	2.10	2.41	2.41	0.00	0.06
ECO3_B_	2.10	2.42	2.42	0.00	0.06
ECO3_C_	2.10	2.45	2.45	0.00	0.09
ECO4_A_10	2.19	2.95	2.96	0.00	0.18
ECO4_A_20	2.19	2.93	2.93	0.00	0.18
ECO4_A_30	2.19	2.92	2.92	0.00	0.19
ECO4_A_40	2.19	2.92	2.92	0.00	0.19
ECO4_A_50	2.19	2.92	2.92	0.00	0.19
ECO4_A_75	2.19	2.93	2.93	0.00	0.20
ECO4_A_100	2.19	2.94	2.94	0.00	0.22
ECO5_A_125	1.07	1.38	1.38	0.00	0.00
ECO5_A_150	1.07	1.35	1.35	0.00	0.00
ECO5_A_200	1.07	1.31	1.31	0.00	0.00
ECO6_A_10	1.98	2.67	2.67	0.00	0.00
ECO6_A_20	1.98	2.54	2.54	0.00	0.00

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO6_A_30	1.98	2.46	2.46	0.00	0.00
ECO6_A_40	1.98	2.41	2.41	0.00	0.00
ECO6_A_50	1.98	2.37	2.37	0.00	0.00
ECO6_A_75	1.98	2.30	2.30	0.00	0.00
ECO6_A_100	1.98	2.26	2.26	0.00	0.00
ECO6_A_150	1.98	2.21	2.21	0.00	0.00
ECO6_A_200	1.98	2.18	2.18	0.00	0.00
ECO7_A_150	1.06	1.21	1.21	0.00	0.00
ECO7_A_200	1.06	1.19	1.19	0.00	0.00
ECO8_A_10	1.93	5.04	5.04	0.00	0.00
ECO8_A_20	1.93	4.47	4.47	0.00	0.00
ECO8_A_30	1.93	4.14	4.14	0.00	0.00
ECO8_A_40	1.93	3.90	3.90	0.00	0.00
ECO8_A_50	1.93	3.70	3.70	0.00	0.00
ECO8_A_75	1.93	3.38	3.38	0.00	0.00
ECO8_B_10	1.93	5.08	5.08	0.00	0.00
ECO8_B_20	1.93	4.61	4.61	0.00	0.00
ECO8_B_30	1.93	4.26	4.26	0.00	0.00
ECO8_B_40	1.93	4.04	4.04	0.00	0.00
ECO8_B_50	1.93	3.85	3.85	0.00	0.00
ECO8_B_75	1.93	3.52	3.52	0.00	0.00
ECO8_B_100	1.93	3.28	3.28	0.00	0.00
ECO9_A_15	1.99	3.73	3.73	0.00	0.00
ECO9_A_25	1.99	3.47	3.47	0.00	0.00
ECO9_A_35	1.99	3.29	3.29	0.00	0.00
ECO9_A_45	1.99	3.16	3.16	0.00	0.00
ECO9_A_55	1.99	3.06	3.06	0.00	0.00
ECO9_A_80	1.99	2.87	2.87	0.00	0.00
ECO9_A_105	1.99	2.74	2.74	0.00	0.00
ECO9_A_155	1.99	2.57	2.57	0.00	0.00
ECO9_A_205	1.99	2.46	2.46	0.00	0.00
ECO9_B_10	1.99	4.64	4.64	0.00	0.00
ECO9_B_20	1.99	4.17	4.17	0.00	0.00
ECO9_B_30	1.99	3.89	3.89	0.00	0.00
ECO9_B_40	1.99	3.69	3.69	0.00	0.00
ECO10_A_30	2.21	2.91	2.91	0.00	0.07

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO10_A_40	2.21	2.84	2.84	0.00	0.07
ECO10_A_50	2.21	2.79	2.79	0.00	0.07
ECO10_A_60	2.21	2.75	2.75	0.00	0.09
ECO10_A_70	2.21	2.72	2.72	0.00	0.07
ECO10_A_95	2.21	2.67	2.67	0.00	0.07
ECO10_A_120	2.21	2.64	2.64	0.00	0.07
ECO10_A_170	2.21	2.59	2.59	0.00	0.09
ECO11_A_15	2.13	5.20	5.21	0.01	0.72
ECO11_A_25	2.13	4.71	4.72	0.01	0.60
ECO11_A_35	2.13	4.36	4.36	0.01	0.52
ECO11_A_45	2.13	4.11	4.11	0.00	0.46
ECO11_A_55	2.13	3.93	3.93	0.00	0.41
ECO11_A_80	2.13	3.59	3.60	0.00	0.32
ECO11_A_105	2.13	3.36	3.37	0.00	0.27
ECO11_A_155	2.13	3.08	3.08	0.00	0.22
ECO11_A_205	2.13	2.90	2.90	0.00	0.16
ECO12_A_10	2.18	2.77	2.78	0.00	0.07
ECO12_A_20	2.18	2.69	2.69	0.00	0.05
ECO12_A_30	2.18	2.64	2.64	0.00	0.05
ECO12_A_40	2.18	2.61	2.61	0.00	0.05
ECO12_A_50	2.18	2.59	2.59	0.00	0.05
ECO12_A_75	2.18	2.55	2.55	0.00	0.05
ECO12_A_100	2.18	2.53	2.53	0.00	0.05
ECO12_A_150	2.18	2.50	2.50	0.00	0.05
ECO12_A_200	2.18	2.48	2.48	0.00	0.05
ECO13_A_125	2.02	3.24	3.24	0.00	0.00
ECO13_A_150	2.02	3.11	3.11	0.00	0.00
ECO13_A_200	2.02	2.91	2.91	0.00	0.00
ECO14_A_50	1.89	4.00	4.00	0.00	0.00
ECO14_A_75	1.89	3.61	3.61	0.00	0.00
ECO15_A_20	1.97	5.73	5.73	0.00	0.00
ECO15_A_30	1.97	5.34	5.34	0.00	0.00
ECO15_A_40	1.97	5.03	5.03	0.00	0.00
ECO15_A_50	1.97	4.80	4.80	0.00	0.00
ECO15_A_75	1.97	4.36	4.36	0.00	0.00
ECO15_A_100	1.97	4.07	4.07	0.00	0.00

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	Background	2024 Baseline	Peak Construction		
ECO16_A_30	1.01	2.14	2.14	0.00	0.00
ECO16_A_40	1.01	2.01	2.01	0.00	0.00
ECO16_A_50	1.01	1.91	1.91	0.00	0.00
ECO16_A_75	1.01	1.74	1.74	0.00	0.00
ECO16_A_100	1.01	1.64	1.64	0.00	0.00
ECO16_A_150	1.01	1.50	1.50	0.00	0.00
ECO16_A_200	1.01	1.41	1.41	0.00	0.00
ECO17_A_10	1.00	1.20	1.20	0.00	0.00
ECO17_A_20	1.00	1.15	1.15	0.00	0.00
ECO17_A_30	1.00	1.13	1.13	0.00	0.00
ECO17_A_40	1.00	1.11	1.11	0.00	0.00
ECO17_A_50	1.00	1.10	1.10	0.00	0.00
ECO17_A_75	1.00	1.09	1.09	0.00	0.00
ECO17_A_100	1.00	1.08	1.08	0.00	0.00
ECO17_A_150	1.00	1.07	1.07	0.00	0.00
ECO17_A_200	1.00	1.07	1.07	0.00	0.00
ECO17_B_10	1.10	1.27	1.27	0.00	0.00
ECO17_B_20	1.10	1.24	1.24	0.00	0.00
ECO17_B_30	1.10	1.23	1.23	0.00	0.00
ECO17_B_40	1.10	1.21	1.21	0.00	0.00
ECO17_B_50	1.10	1.20	1.20	0.00	0.00
ECO17_B_75	1.10	1.19	1.19	0.00	0.00
ECO17_B_100	1.10	1.18	1.18	0.00	0.00
ECO17_B_150	1.10	1.17	1.17	0.00	0.00
ECO17_B_200	1.10	1.16	1.16	0.00	0.00
ECO17_C_10	1.00	1.39	1.39	0.00	0.00
ECO17_C_20	1.00	1.29	1.29	0.00	0.00
ECO17_C_30	1.00	1.23	1.23	0.00	0.00
ECO17_C_40	1.00	1.19	1.19	0.00	0.00
ECO17_C_50	1.00	1.17	1.17	0.00	0.00
ECO17_C_75	1.00	1.14	1.14	0.00	0.00
ECO17_C_100	1.00	1.12	1.12	0.00	0.00
ECO17_C_150	1.00	1.09	1.09	0.00	0.00
ECO17_C_200	1.00	1.08	1.08	0.00	0.00

2031 Baseline vs 2031 Opening Year (Do Something) Traffic

Table 4.5.29: Predicted NO_x Concentration Changes due to 2031 Opening Year Traffic

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_A_10	9.3	6.7	6.9	0.1	0.41
ECO1_A_20	9.2	6.7	6.8	0.1	0.29
ECO1_A_30	9.1	6.7	6.8	0.1	0.24
ECO1_A_40	9.1	6.7	6.8	0.1	0.20
ECO1_A_50	9.0	6.7	6.7	0.1	0.18
ECO1_A_75	9.0	6.7	6.7	0.0	0.13
ECO1_A_100	8.9	6.7	6.7	0.0	0.11
ECO1_A_150	8.8	6.6	6.6	0.0	0.07
ECO1_A_200	8.8	6.6	6.6	0.0	0.05
ECO1_B_10	9.2	6.7	6.8	0.1	0.30
ECO1_B_20	9.1	6.7	6.8	0.1	0.22
ECO1_B_30	9.1	6.7	6.8	0.1	0.18
ECO1_B_40	9.8	7.1	7.2	0.0	0.16
ECO1_B_50	9.8	7.2	7.2	0.0	0.15
ECO1_B_75	9.8	7.2	7.2	0.0	0.13
ECO1_B_100	9.8	7.2	7.2	0.0	0.12
ECO1_B_150	10.0	7.3	7.3	0.0	0.12
ECO1_B_200	10.0	7.3	7.3	0.0	0.14
ECO1_C_10	23.2	16.1	14.8	-1.3	-4.33
ECO1_C_20	21.7	15.3	14.8	-0.6	-1.85
ECO1_C_30	20.9	14.9	14.7	-0.2	-0.65
ECO1_C_40	20.4	14.6	14.7	0.0	0.14
ECO1_C_50	20.0	14.4	14.6	0.2	0.56
ECO1_C_75	19.4	14.1	14.5	0.4	1.26
ECO1_C_100	19.1	13.9	14.4	0.5	1.60
ECO1_C_150	12.1	8.7	9.2	0.6	1.89
ECO1_C_200	11.8	8.5	9.1	0.6	1.91
ECO1_D_10	24.7	16.9	14.9	-2.0	-6.58
ECO1_D_20	23.0	16.0	15.0	-0.9	-3.12
ECO1_D_30	22.1	15.5	15.2	-0.4	-1.26
ECO1_D_40	21.6	15.2	15.3	0.1	0.28
ECO1_D_50	21.2	15.0	15.5	0.5	1.62
ECO1_E_10	20.1	14.5	18.6	4.1	13.68

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_E_20	20.2	14.5	17.4	2.9	9.72
ECO1_E_30	20.4	14.6	16.7	2.1	7.08
ECO1_E_40	20.5	14.7	16.2	1.6	5.20
ECO1_E_50	20.7	14.8	15.9	1.2	3.84
ECO1_F_10	19.9	14.4	18.3	3.9	12.98
ECO1_F_20	19.9	14.3	17.2	2.8	9.46
ECO1_F_30	19.8	14.3	16.5	2.2	7.28
ECO1_F_40	19.8	14.3	16.0	1.8	5.90
ECO1_F_50	19.7	14.2	15.7	1.5	4.92
ECO1_F_75	19.6	14.2	15.2	1.0	3.37
ECO1_F_100	19.6	14.2	14.9	0.7	2.47
ECO1_F_150	19.6	14.1	14.6	0.4	1.49
ECO1_F_200	19.6	14.1	14.4	0.3	0.98
ECO1_G_10	60.9	32.7	33.1	0.4	1.31
ECO1_G_20	51.6	28.4	28.7	0.3	1.11
ECO1_G_30	46.0	25.8	26.1	0.3	0.98
ECO1_G_40	42.1	24.0	24.3	0.3	0.88
ECO1_G_50	39.1	22.6	22.9	0.2	0.80
ECO1_G_75	34.1	20.3	20.5	0.2	0.65
ECO1_G_100	32.2	20.0	20.2	0.2	0.55
ECO1_G_150	28.1	18.1	18.2	0.1	0.42
ECO1_G_200	25.5	16.9	17.0	0.1	0.34
ECO1_H_10	81.1	42.3	43.0	0.6	2.07
ECO1_H_20	63.4	32.7	33.2	0.5	1.67
ECO1_H_30	55.8	29.2	29.6	0.4	1.45
ECO1_H_40	51.1	27.0	27.4	0.4	1.31
ECO1_H_50	47.2	25.1	25.5	0.4	1.20
ECO1_H_75	40.7	22.1	22.4	0.3	1.01
ECO1_H_100	36.1	19.9	20.2	0.3	0.88
ECO1_H_150	30.2	17.2	17.4	0.2	0.70
ECO1_H_200	26.2	15.3	15.5	0.2	0.57
ECO2_A_15	59.0	32.4	32.8	0.4	1.34
ECO2_A_25	51.1	28.8	29.1	0.4	1.17
ECO2_A_35	46.1	26.5	26.8	0.3	1.05
ECO2_A_45	42.6	24.9	25.2	0.3	0.96
ECO2_A_55	39.9	23.6	23.9	0.3	0.89

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO2_A_80	35.2	21.4	21.6	0.2	0.75
ECO2_A_105	32.0	19.9	20.1	0.2	0.66
ECO2_A_155	28.0	18.0	18.2	0.2	0.52
ECO3_A	14.2	9.4	9.4	-0.1	-0.17
ECO3_B_	14.5	9.6	9.5	-0.1	-0.23
ECO3_C_	15.3	9.9	9.8	-0.1	-0.46
ECO4_A_10	20.0	12.9	13.2	0.3	1.12
ECO4_A_20	19.7	12.8	13.1	0.3	0.90
ECO4_A_30	19.6	12.8	13.0	0.2	0.79
ECO4_A_40	19.5	12.8	13.0	0.2	0.71
ECO4_A_50	19.5	12.8	13.0	0.2	0.66
ECO4_A_75	19.7	12.9	13.0	0.2	0.58
ECO4_A_100	20.0	13.0	13.1	0.2	0.53
ECO5_A_125	20.2	13.2	13.3	0.1	0.29
ECO5_A_150	19.3	12.6	12.7	0.1	0.26
ECO5_A_200	17.6	11.5	11.6	0.1	0.20
ECO6_A_10	22.6	13.5	13.9	0.4	1.20
ECO6_A_20	19.5	11.9	12.2	0.3	0.94
ECO6_A_30	17.7	11.1	11.3	0.2	0.79
ECO6_A_40	16.5	10.5	10.7	0.2	0.70
ECO6_A_50	15.5	10.0	10.2	0.2	0.62
ECO6_A_75	14.1	9.3	9.4	0.1	0.50
ECO6_A_100	13.1	8.8	8.9	0.1	0.41
ECO6_A_150	12.0	8.2	8.3	0.1	0.31
ECO6_A_200	11.3	7.9	7.9	0.1	0.24
ECO7_A_150	11.9	8.1	8.2	0.1	0.32
ECO7_A_200	11.3	7.8	7.9	0.1	0.25
ECO8_A_10	91.2	45.6	45.9	0.3	1.03
ECO8_A_20	75.4	38.1	38.3	0.2	0.83
ECO8_A_30	66.2	33.7	33.9	0.2	0.72
ECO8_A_40	59.7	30.7	30.9	0.2	0.64
ECO8_A_50	54.5	28.2	28.4	0.2	0.58
ECO8_A_75	45.9	24.1	24.3	0.1	0.46
ECO8_B_10	92.1	45.6	45.9	0.3	0.93
ECO8_B_20	79.0	39.6	39.8	0.2	0.81
ECO8_B_30	69.7	35.2	35.4	0.2	0.72

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO8_B_40	63.5	32.3	32.5	0.2	0.65
ECO8_B_50	58.6	30.0	30.2	0.2	0.60
ECO8_B_75	49.7	25.8	26.0	0.1	0.49
ECO8_B_100	43.4	22.9	23.0	0.1	0.41
ECO9_A_15	52.8	26.8	26.9	0.1	0.39
ECO9_A_25	45.9	23.7	23.8	0.1	0.34
ECO9_A_35	41.3	21.6	21.7	0.1	0.31
ECO9_A_45	37.8	20.0	20.1	0.1	0.28
ECO9_A_55	35.1	18.8	18.8	0.1	0.26
ECO9_A_80	30.2	16.5	16.6	0.1	0.22
ECO9_A_105	26.9	15.0	15.1	0.1	0.18
ECO9_A_155	22.0	12.8	12.8	0.0	0.14
ECO9_A_205	19.2	11.5	11.5	0.0	0.11
ECO9_B_10	77.3	37.7	37.9	0.2	0.56
ECO9_B_20	64.6	32.0	32.1	0.1	0.47
ECO9_B_30	56.9	28.6	28.7	0.1	0.42
ECO9_B_40	51.6	26.2	26.3	0.1	0.38
ECO10_A_30	17.4	11.8	11.9	0.0	0.11
ECO10_A_40	16.4	11.3	11.3	0.0	0.11
ECO10_A_50	15.7	10.9	10.9	0.0	0.11
ECO10_A_60	15.3	10.6	10.6	0.0	0.11
ECO10_A_70	14.9	10.3	10.4	0.0	0.11
ECO10_A_95	14.2	9.9	10.0	0.0	0.11
ECO10_A_120	13.7	9.6	9.7	0.0	0.11
ECO10_A_170	13.1	9.3	9.3	0.0	0.11
ECO11_A_15	53.8	27.6	28.0	0.4	1.28
ECO11_A_25	46.7	24.4	24.7	0.3	1.12
ECO11_A_35	41.6	22.0	22.3	0.3	0.99
ECO11_A_45	38.0	20.4	20.6	0.3	0.89
ECO11_A_55	35.5	19.2	19.4	0.2	0.81
ECO11_A_80	30.7	17.0	17.2	0.2	0.66
ECO11_A_105	27.4	15.4	15.6	0.2	0.54
ECO11_A_155	23.4	13.5	13.6	0.1	0.39
ECO11_A_205	20.8	12.3	12.4	0.1	0.28
ECO12_A_10	15.9	11.0	11.0	0.0	0.09
ECO12_A_20	14.7	10.3	10.3	0.0	0.09

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO12_A_30	14.1	9.9	9.9	0.0	0.10
ECO12_A_40	13.6	9.6	9.6	0.0	0.10
ECO12_A_50	13.3	9.4	9.4	0.0	0.10
ECO12_A_75	12.7	9.1	9.1	0.0	0.10
ECO12_A_100	12.4	8.9	8.9	0.0	0.10
ECO12_A_150	12.0	8.6	8.7	0.0	0.11
ECO12_A_200	11.8	8.5	8.5	0.0	0.11
ECO13_A_125	39.5	20.7	20.8	0.1	0.28
ECO13_A_150	36.1	19.1	19.2	0.1	0.25
ECO13_A_200	30.9	16.7	16.8	0.1	0.20
ECO14_A_50	63.6	32.8	33.0	0.3	0.85
ECO14_A_75	53.2	27.8	28.0	0.2	0.69
ECO15_A_20	111.8	57.1	58.0	0.8	2.78
ECO15_A_30	101.0	51.7	52.5	0.7	2.42
ECO15_A_40	92.5	47.5	48.1	0.6	2.15
ECO15_A_50	85.9	44.2	44.8	0.6	1.94
ECO15_A_75	74.0	38.3	38.7	0.5	1.56
ECO15_A_100	65.9	34.3	34.6	0.4	1.28
ECO16_A_30	54.7	27.2	27.3	0.1	0.35
ECO16_A_40	49.1	24.6	24.7	0.1	0.32
ECO16_A_50	45.0	22.8	22.9	0.1	0.29
ECO16_A_75	38.1	19.7	19.8	0.1	0.25
ECO16_A_100	33.7	17.7	17.8	0.1	0.22
ECO16_A_150	27.9	15.2	15.2	0.1	0.17
ECO16_A_200	24.4	13.6	13.6	0.0	0.14
ECO17_A_10	46.6	26.2	26.2	0.0	0.05
ECO17_A_20	36.5	21.3	21.4	0.0	0.04
ECO17_A_30	31.4	18.9	18.9	0.0	0.03
ECO17_A_40	28.0	17.2	17.2	0.0	0.03
ECO17_A_50	25.9	16.2	16.2	0.0	0.02
ECO17_A_75	23.2	14.9	14.9	0.0	0.02
ECO17_A_100	21.1	13.9	13.9	0.0	0.02
ECO17_A_150	18.7	12.7	12.7	0.0	0.02
ECO17_A_200	17.4	12.1	12.1	0.0	0.01
ECO17_B_10	42.7	24.7	24.7	0.0	0.04
ECO17_B_20	35.8	21.4	21.4	0.0	0.03

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO17_B_30	32.1	19.6	19.6	0.0	0.03
ECO17_B_40	29.3	18.3	18.3	0.0	0.02
ECO17_B_50	27.6	17.4	17.4	0.0	0.02
ECO17_B_75	25.3	16.3	16.3	0.0	0.02
ECO17_B_100	23.3	15.4	15.4	0.0	0.02
ECO17_B_150	21.1	14.3	14.3	0.0	0.02
ECO17_B_200	19.7	13.6	13.6	0.0	0.01
ECO17_C_10	20.7	13.3	13.3	0.0	0.10
ECO17_C_20	18.1	12.1	12.1	0.0	0.07
ECO17_C_30	16.5	11.4	11.4	0.0	0.06
ECO17_C_40	15.5	10.9	10.9	0.0	0.05
ECO17_C_50	14.9	10.7	10.7	0.0	0.04
ECO17_C_75	14.2	10.3	10.3	0.0	0.03
ECO17_C_100	13.6	10.0	10.0	0.0	0.03
ECO17_C_150	12.9	9.7	9.7	0.0	0.02
ECO17_C_200	12.5	9.6	9.6	0.0	0.02

Table 4.5.30: Predicted NH_3 Concentration Changes due to 2031 Opening Year Traffic

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_A_10	1.79	1.78	1.82	0.03	1.12
ECO1_A_20	1.77	1.78	1.80	0.02	0.78
ECO1_A_30	1.77	1.78	1.79	0.02	0.63
ECO1_A_40	1.76	1.77	1.79	0.02	0.52
ECO1_A_50	1.76	1.77	1.78	0.01	0.46
ECO1_A_75	1.75	1.77	1.78	0.01	0.34
ECO1_A_100	1.75	1.76	1.77	0.01	0.27
ECO1_A_150	1.74	1.75	1.76	0.00	0.17
ECO1_A_200	1.73	1.74	1.75	0.00	0.12
ECO1_B_10	1.77	1.78	1.80	0.02	0.79
ECO1_B_20	1.77	1.78	1.79	0.02	0.58
ECO1_B_30	1.77	1.78	1.79	0.01	0.47
ECO1_B_40	1.77	1.78	1.79	0.01	0.41
ECO1_B_50	1.77	1.78	1.79	0.01	0.36
ECO1_B_75	1.77	1.78	1.79	0.01	0.29

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_B_100	1.77	1.79	1.80	0.01	0.26
ECO1_B_150	1.78	1.80	1.81	0.01	0.23
ECO1_B_200	1.80	1.82	1.82	0.01	0.22
ECO1_C_10	2.50	2.57	2.23	-0.34	-11.30
ECO1_C_20	2.33	2.39	2.22	-0.18	-5.84
ECO1_C_30	2.25	2.30	2.21	-0.10	-3.19
ECO1_C_40	2.18	2.24	2.19	-0.04	-1.42
ECO1_C_50	2.15	2.20	2.18	-0.01	-0.48
ECO1_C_75	2.08	2.13	2.16	0.03	1.08
ECO1_C_100	2.04	2.09	2.14	0.06	1.86
ECO1_C_150	2.00	2.03	2.11	0.08	2.55
ECO1_C_200	1.97	2.00	2.08	0.08	2.68
ECO1_D_10	2.68	2.76	2.28	-0.48	-16.10
ECO1_D_20	2.49	2.56	2.30	-0.26	-8.59
ECO1_D_30	2.40	2.46	2.32	-0.14	-4.57
ECO1_D_40	2.34	2.39	2.36	-0.04	-1.29
ECO1_D_50	2.29	2.35	2.39	0.05	1.53
ECO1_E_10	2.18	2.23	3.03	0.80	26.79
ECO1_E_20	2.19	2.24	2.79	0.55	18.30
ECO1_E_30	2.21	2.26	2.64	0.38	12.82
ECO1_E_40	2.22	2.28	2.54	0.27	8.94
ECO1_E_50	2.24	2.30	2.48	0.18	6.16
ECO1_F_10	2.16	2.21	2.96	0.75	25.12
ECO1_F_20	2.15	2.20	2.74	0.54	18.14
ECO1_F_30	2.15	2.19	2.61	0.42	13.84
ECO1_F_40	2.14	2.19	2.52	0.33	11.15
ECO1_F_50	2.14	2.18	2.46	0.28	9.25
ECO1_F_75	2.13	2.17	2.36	0.19	6.25
ECO1_F_100	2.12	2.17	2.30	0.14	4.52
ECO1_F_150	2.12	2.16	2.24	0.08	2.65
ECO1_F_200	2.12	2.17	2.22	0.05	1.70
ECO1_G_10	6.81	7.15	7.26	0.11	3.71
ECO1_G_20	5.78	6.06	6.15	0.09	3.06
ECO1_G_30	5.16	5.40	5.48	0.08	2.65
ECO1_G_40	4.74	4.95	5.02	0.07	2.35
ECO1_G_50	4.42	4.61	4.67	0.06	2.12

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_G_75	3.86	4.02	4.07	0.05	1.71
ECO1_G_100	3.50	3.63	3.68	0.04	1.42
ECO1_G_150	3.05	3.15	3.18	0.03	1.05
ECO1_G_200	2.77	2.85	2.87	0.02	0.81
ECO1_H_10	9.01	9.38	9.53	0.15	5.06
ECO1_H_20	7.60	7.91	8.04	0.13	4.17
ECO1_H_30	6.78	7.07	7.18	0.11	3.66
ECO1_H_40	6.28	6.54	6.64	0.10	3.34
ECO1_H_50	5.85	6.09	6.19	0.09	3.07
ECO1_H_75	5.14	5.35	5.43	0.08	2.61
ECO1_H_100	4.64	4.83	4.90	0.07	2.27
ECO1_H_150	4.01	4.16	4.21	0.05	1.81
ECO1_H_200	3.57	3.70	3.74	0.04	1.50
ECO2_A_15	6.44	6.76	6.87	0.11	3.70
ECO2_A_25	5.57	5.83	5.92	0.09	3.13
ECO2_A_35	5.02	5.25	5.33	0.08	2.76
ECO2_A_45	4.64	4.84	4.92	0.07	2.49
ECO2_A_55	4.34	4.53	4.60	0.07	2.28
ECO2_A_80	3.83	3.98	4.04	0.06	1.90
ECO2_A_105	3.48	3.61	3.66	0.05	1.63
ECO2_A_155	3.04	3.14	3.17	0.04	1.25
ECO3_A	2.06	2.10	2.10	0.00	0.09
ECO3_B_	2.07	2.12	2.12	0.00	-0.21
ECO3_C_	2.12	2.17	2.16	-0.01	-1.24
ECO4_A_10	2.77	2.80	2.90	0.09	9.41
ECO4_A_20	2.73	2.77	2.85	0.08	7.51
ECO4_A_30	2.71	2.76	2.83	0.07	6.50
ECO4_A_40	2.71	2.76	2.82	0.06	5.82
ECO4_A_50	2.71	2.76	2.82	0.05	5.38
ECO4_A_75	2.72	2.78	2.83	0.05	4.68
ECO4_A_100	2.75	2.81	2.86	0.04	4.28
ECO5_A_125	2.16	2.33	2.34	0.01	0.24
ECO5_A_150	2.10	2.25	2.26	0.01	0.22
ECO5_A_200	2.00	2.12	2.12	0.01	0.17
ECO6_A_10	2.34	2.43	2.46	0.03	3.10
ECO6_A_20	2.15	2.22	2.25	0.02	2.45

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO6_A_30	2.04	2.10	2.13	0.02	2.08
ECO6_A_40	1.97	2.03	2.04	0.02	1.84
ECO6_A_50	1.91	1.96	1.98	0.02	1.64
ECO6_A_75	1.82	1.87	1.88	0.01	1.33
ECO6_A_100	1.77	1.80	1.81	0.01	1.11
ECO6_A_150	1.70	1.73	1.73	0.01	0.83
ECO6_A_200	1.66	1.68	1.68	0.01	0.65
ECO7_A_150	1.81	1.83	1.84	0.01	0.30
ECO7_A_200	1.77	1.79	1.80	0.01	0.24
ECO8_A_10	5.80	5.87	5.89	0.02	2.07
ECO8_A_20	4.95	5.01	5.02	0.02	1.70
ECO8_A_30	4.45	4.51	4.52	0.01	1.49
ECO8_A_40	4.11	4.16	4.17	0.01	1.35
ECO8_A_50	3.83	3.88	3.89	0.01	1.22
ECO8_A_75	3.37	3.41	3.42	0.01	1.01
ECO8_B_10	5.85	5.86	5.88	0.02	1.63
ECO8_B_20	5.14	5.17	5.19	0.02	1.51
ECO8_B_30	4.64	4.68	4.69	0.01	1.39
ECO8_B_40	4.31	4.34	4.36	0.01	1.29
ECO8_B_50	4.05	4.08	4.10	0.01	1.21
ECO8_B_75	3.57	3.60	3.61	0.01	1.03
ECO8_B_100	3.23	3.26	3.27	0.01	0.88
ECO9_A_15	3.84	4.09	4.12	0.04	1.19
ECO9_A_25	3.47	3.68	3.71	0.03	1.02
ECO9_A_35	3.22	3.41	3.44	0.03	0.90
ECO9_A_45	3.04	3.21	3.23	0.02	0.81
ECO9_A_55	2.89	3.05	3.07	0.02	0.74
ECO9_A_80	2.63	2.76	2.77	0.02	0.60
ECO9_A_105	2.45	2.56	2.57	0.02	0.51
ECO9_A_155	2.22	2.30	2.31	0.01	0.38
ECO9_A_205	2.07	2.13	2.14	0.01	0.29
ECO9_B_10	5.16	5.53	5.58	0.05	1.75
ECO9_B_20	4.48	4.78	4.82	0.04	1.45
ECO9_B_30	4.07	4.33	4.37	0.04	1.27
ECO9_B_40	3.78	4.02	4.05	0.03	1.14
ECO10_A_30	2.65	2.81	2.80	-0.01	-0.53

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO10_A_40	2.54	2.68	2.68	0.00	-0.29
ECO10_A_50	2.47	2.59	2.59	0.00	-0.13
ECO10_A_60	2.41	2.53	2.53	0.00	-0.03
ECO10_A_70	2.37	2.48	2.48	0.00	0.07
ECO10_A_95	2.29	2.38	2.39	0.00	0.22
ECO10_A_120	2.24	2.32	2.32	0.00	0.33
ECO10_A_170	2.17	2.24	2.24	0.00	0.46
ECO11_A_15	6.48	6.83	6.95	0.12	3.90
ECO11_A_25	5.70	6.00	6.10	0.10	3.37
ECO11_A_35	5.14	5.40	5.49	0.09	2.96
ECO11_A_45	4.74	4.98	5.06	0.08	2.65
ECO11_A_55	4.46	4.68	4.75	0.07	2.42
ECO11_A_80	3.94	4.12	4.18	0.06	1.96
ECO11_A_105	3.58	3.73	3.78	0.05	1.62
ECO11_A_155	3.13	3.24	3.28	0.04	1.18
ECO11_A_205	2.85	2.94	2.97	0.03	0.88
ECO12_A_10	2.53	2.67	2.67	0.00	-0.44
ECO12_A_20	2.41	2.52	2.52	0.00	-0.13
ECO12_A_30	2.33	2.43	2.43	0.00	0.04
ECO12_A_40	2.28	2.37	2.37	0.00	0.16
ECO12_A_50	2.25	2.33	2.33	0.00	0.25
ECO12_A_75	2.19	2.26	2.26	0.00	0.42
ECO12_A_100	2.15	2.21	2.22	0.01	0.53
ECO12_A_150	2.11	2.16	2.16	0.01	0.68
ECO12_A_200	2.08	2.13	2.14	0.01	0.78
ECO13_A_125	3.26	3.43	3.45	0.02	2.36
ECO13_A_150	3.08	3.23	3.25	0.02	2.07
ECO13_A_200	2.80	2.92	2.93	0.02	1.62
ECO14_A_50	4.28	4.34	4.37	0.02	2.40
ECO14_A_75	3.72	3.77	3.79	0.02	1.97
ECO15_A_20	6.77	7.17	7.26	0.09	9.48
ECO15_A_30	6.18	6.53	6.61	0.08	8.09
ECO15_A_40	5.71	6.03	6.10	0.07	7.07
ECO15_A_50	5.36	5.64	5.71	0.06	6.31
ECO15_A_75	4.72	4.95	5.00	0.05	4.94
ECO15_A_100	4.28	4.49	4.53	0.04	3.98

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO16_A_30	3.83	4.04	4.06	0.03	0.95
ECO16_A_40	3.53	3.71	3.73	0.02	0.83
ECO16_A_50	3.31	3.47	3.49	0.02	0.75
ECO16_A_75	2.94	3.07	3.09	0.02	0.61
ECO16_A_100	2.70	2.81	2.83	0.02	0.51
ECO16_A_150	2.39	2.47	2.49	0.01	0.38
ECO16_A_200	2.20	2.27	2.28	0.01	0.30
ECO17_A_10	1.43	4.34	4.34	0.00	0.08
ECO17_A_20	1.43	3.48	3.48	0.00	0.06
ECO17_A_30	1.43	3.04	3.04	0.00	0.05
ECO17_A_40	1.43	2.74	2.74	0.00	0.04
ECO17_A_50	1.43	2.56	2.56	0.00	0.04
ECO17_A_75	1.43	2.33	2.33	0.00	0.03
ECO17_A_100	1.43	2.15	2.15	0.00	0.03
ECO17_A_150	1.44	1.94	1.94	0.00	0.02
ECO17_A_200	1.44	1.83	1.83	0.00	0.02
ECO17_B_10	1.42	3.94	3.94	0.00	0.07
ECO17_B_20	1.42	3.34	3.34	0.00	0.06
ECO17_B_30	1.42	3.02	3.02	0.00	0.05
ECO17_B_40	1.42	2.78	2.78	0.00	0.04
ECO17_B_50	1.42	2.63	2.63	0.00	0.04
ECO17_B_75	1.42	2.44	2.44	0.00	0.03
ECO17_B_100	1.42	2.26	2.26	0.00	0.03
ECO17_B_150	1.42	2.07	2.07	0.00	0.02
ECO17_B_200	1.42	1.94	1.94	0.00	0.02
ECO17_C_10	2.24	2.26	2.26	0.00	0.11
ECO17_C_20	2.01	2.03	2.03	0.00	0.08
ECO17_C_30	1.87	1.90	1.90	0.00	0.07
ECO17_C_40	1.78	1.82	1.82	0.00	0.05
ECO17_C_50	1.73	1.76	1.76	0.00	0.05
ECO17_C_75	1.66	1.70	1.70	0.00	0.04
ECO17_C_100	1.61	1.65	1.65	0.00	0.03
ECO17_C_150	1.55	1.59	1.59	0.00	0.02
ECO17_C_200	1.51	1.56	1.56	0.00	0.02

Table 4.5.31: Predicted Nitrogen Deposition Changes due to 2031 Opening Year Traffic

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_A_10	17.97	17.82	18.00	0.18	1.80
ECO1_A_20	17.90	17.79	17.92	0.13	1.26
ECO1_A_30	17.86	17.77	17.87	0.10	1.00
ECO1_A_40	17.83	17.76	17.84	0.08	0.85
ECO1_A_50	17.81	17.74	17.82	0.07	0.74
ECO1_A_75	17.77	17.72	17.77	0.05	0.55
ECO1_A_100	17.74	17.69	17.74	0.04	0.43
ECO1_A_150	17.68	17.65	17.67	0.03	0.26
ECO1_A_200	17.64	17.61	17.62	0.02	0.18
ECO1_B_10	17.77	17.66	17.79	0.13	1.27
ECO1_B_20	17.74	17.65	17.75	0.09	0.93
ECO1_B_30	17.72	17.65	17.73	0.08	0.76
ECO1_B_40	17.72	17.66	17.72	0.06	0.65
ECO1_B_50	17.72	17.66	17.72	0.06	0.58
ECO1_B_75	17.73	17.69	17.73	0.05	0.47
ECO1_B_100	17.76	17.72	17.77	0.04	0.43
ECO1_B_150	17.83	17.80	17.84	0.04	0.38
ECO1_B_200	17.89	17.86	17.90	0.04	0.38
ECO1_C_10	21.55	21.57	19.71	-1.86	-18.57
ECO1_C_20	20.57	20.59	19.64	-0.95	-9.51
ECO1_C_30	20.06	20.08	19.57	-0.51	-5.12
ECO1_C_40	19.70	19.71	19.49	-0.22	-2.19
ECO1_C_50	19.49	19.50	19.44	-0.06	-0.64
ECO1_C_75	19.11	19.11	19.31	0.20	1.96
ECO1_C_100	18.88	18.88	19.20	0.32	3.24
ECO1_C_150	18.60	18.59	19.03	0.44	4.40
ECO1_C_200	18.42	18.41	18.87	0.46	4.60
ECO1_D_10	22.37	22.39	19.74	-2.65	-26.54
ECO1_D_20	21.26	21.27	19.86	-1.41	-14.09
ECO1_D_30	20.73	20.74	20.00	-0.74	-7.42
ECO1_D_40	20.36	20.37	20.18	-0.20	-1.96
ECO1_D_50	20.11	20.11	20.39	0.28	2.75
ECO1_E_10	19.45	19.45	23.93	4.48	44.76
ECO1_E_20	19.52	19.52	22.59	3.07	30.66

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_E_30	19.60	19.61	21.76	2.15	21.54
ECO1_E_40	19.71	19.71	21.22	1.51	15.09
ECO1_E_50	19.81	19.82	20.86	1.04	10.44
ECO1_F_10	19.32	19.33	23.53	4.20	42.01
ECO1_F_20	19.28	19.28	22.32	3.04	30.35
ECO1_F_30	19.24	19.24	21.56	2.32	23.18
ECO1_F_40	19.21	19.21	21.08	1.87	18.67
ECO1_F_50	19.19	19.18	20.73	1.55	15.50
ECO1_F_75	19.14	19.13	20.18	1.05	10.50
ECO1_F_100	19.11	19.10	19.86	0.76	7.60
ECO1_F_150	19.09	19.08	19.53	0.45	4.46
ECO1_F_200	19.12	19.11	19.40	0.29	2.87
ECO1_G_10	46.14	46.38	46.98	0.60	6.03
ECO1_G_20	40.29	40.44	40.94	0.50	5.01
ECO1_G_30	36.75	36.85	37.28	0.43	4.34
ECO1_G_40	34.29	34.36	34.75	0.39	3.86
ECO1_G_50	32.44	32.49	32.84	0.35	3.48
ECO1_G_75	29.25	29.27	29.55	0.28	2.80
ECO1_G_100	27.16	27.16	27.39	0.23	2.33
ECO1_G_150	24.53	24.51	24.69	0.17	1.72
ECO1_G_200	22.87	22.84	22.98	0.13	1.34
ECO1_H_10	57.84	57.83	58.66	0.83	8.27
ECO1_H_20	49.86	49.84	50.53	0.68	6.82
ECO1_H_30	45.24	45.22	45.82	0.60	6.00
ECO1_H_40	42.34	42.33	42.87	0.55	5.47
ECO1_H_50	39.90	39.89	40.39	0.50	5.01
ECO1_H_75	35.83	35.82	36.25	0.43	4.27
ECO1_H_100	32.97	32.96	33.33	0.37	3.73
ECO1_H_150	29.29	29.27	29.56	0.30	2.97
ECO1_H_200	26.79	26.75	27.00	0.25	2.47
ECO2_A_15	44.04	44.24	44.84	0.60	12.08
ECO2_A_25	39.06	39.18	39.69	0.51	10.22
ECO2_A_35	35.94	36.01	36.46	0.45	9.04
ECO2_A_45	33.72	33.77	34.18	0.41	8.17
ECO2_A_55	32.03	32.07	32.44	0.37	7.46
ECO2_A_80	29.04	29.06	29.37	0.31	6.24

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO2_A_105	27.04	27.04	27.31	0.27	5.34
ECO2_A_155	24.44	24.43	24.63	0.21	4.10
ECO3_A	32.66	32.43	32.43	0.00	0.01
ECO3_B_	32.84	32.61	32.58	-0.03	-0.28
ECO3_C_	33.29	33.07	32.96	-0.12	-1.17
ECO4_A_10	40.02	39.40	40.19	0.78	7.83
ECO4_A_20	39.66	39.14	39.77	0.62	6.23
ECO4_A_30	39.53	39.06	39.60	0.54	5.42
ECO4_A_40	39.47	39.04	39.52	0.49	4.86
ECO4_A_50	39.48	39.06	39.51	0.45	4.48
ECO4_A_75	39.62	39.24	39.63	0.39	3.88
ECO4_A_100	39.84	39.48	39.83	0.36	3.57
ECO5_A_125	18.74	19.25	19.30	0.04	0.43
ECO5_A_150	18.40	18.81	18.85	0.04	0.39
ECO5_A_200	17.76	18.02	18.05	0.03	0.31
ECO6_A_10	36.54	36.11	36.40	0.29	2.94
ECO6_A_20	34.63	34.25	34.48	0.23	2.31
ECO6_A_30	33.55	33.20	33.40	0.20	1.97
ECO6_A_40	32.82	32.50	32.67	0.17	1.72
ECO6_A_50	32.25	31.94	32.10	0.16	1.57
ECO6_A_75	31.36	31.08	31.21	0.12	1.24
ECO6_A_100	30.79	30.52	30.63	0.10	1.04
ECO6_A_150	30.08	29.83	29.90	0.08	0.76
ECO6_A_200	29.66	29.41	29.47	0.06	0.62
ECO7_A_150	16.43	16.34	16.39	0.05	0.54
ECO7_A_200	16.19	16.09	16.13	0.04	0.43
ECO8_A_10	69.87	66.21	66.41	0.20	1.96
ECO8_A_20	61.85	58.60	58.76	0.16	1.61
ECO8_A_30	57.12	54.17	54.31	0.14	1.42
ECO8_A_40	53.77	51.06	51.19	0.13	1.28
ECO8_A_50	51.03	48.53	48.65	0.12	1.16
ECO8_A_75	46.44	44.32	44.42	0.10	0.99
ECO8_B_10	70.33	66.17	66.33	0.16	1.59
ECO8_B_20	63.72	60.07	60.22	0.15	1.46
ECO8_B_30	58.93	55.66	55.80	0.13	1.34
ECO8_B_40	55.71	52.71	52.83	0.12	1.24

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO8_B_50	53.17	50.38	50.50	0.12	1.20
ECO8_B_75	48.46	46.08	46.18	0.10	0.97
ECO8_B_100	45.11	43.04	43.12	0.08	0.83
ECO9_A_15	51.41	50.44	50.73	0.29	2.94
ECO9_A_25	47.76	46.85	47.10	0.25	2.53
ECO9_A_35	45.29	44.45	44.67	0.23	2.25
ECO9_A_45	43.43	42.64	42.84	0.20	2.01
ECO9_A_55	41.96	41.21	41.40	0.18	1.84
ECO9_A_80	39.31	38.65	38.80	0.15	1.50
ECO9_A_105	37.49	36.88	37.01	0.13	1.27
ECO9_A_155	35.09	34.56	34.65	0.09	0.94
ECO9_A_205	33.58	33.10	33.17	0.07	0.71
ECO9_B_10	64.15	63.03	63.46	0.43	4.30
ECO9_B_20	57.60	56.49	56.85	0.36	3.56
ECO9_B_30	53.63	52.56	52.87	0.31	3.11
ECO9_B_40	50.82	49.81	50.09	0.28	2.81
ECO10_A_30	39.27	39.81	39.77	-0.04	-0.38
ECO10_A_40	38.29	38.73	38.71	-0.02	-0.17
ECO10_A_50	37.60	37.97	37.96	-0.01	-0.08
ECO10_A_60	37.13	37.45	37.45	0.00	0.01
ECO10_A_70	36.71	36.99	37.00	0.01	0.11
ECO10_A_95	36.01	36.22	36.24	0.02	0.20
ECO10_A_120	35.54	35.68	35.72	0.03	0.31
ECO10_A_170	34.89	34.96	35.00	0.04	0.42
ECO11_A_15	71.77	71.66	72.62	0.97	9.65
ECO11_A_25	64.90	64.76	65.59	0.83	8.31
ECO11_A_35	59.93	59.79	60.52	0.73	7.32
ECO11_A_45	56.40	56.25	56.91	0.66	6.57
ECO11_A_55	53.89	53.74	54.34	0.60	5.97
ECO11_A_80	49.20	49.05	49.54	0.49	4.87
ECO11_A_105	45.95	45.80	46.20	0.40	4.03
ECO11_A_155	41.91	41.76	42.05	0.29	2.92
ECO11_A_205	39.39	39.23	39.45	0.22	2.21
ECO12_A_10	37.49	37.96	37.93	-0.03	-0.31
ECO12_A_20	36.33	36.66	36.66	0.00	-0.05
ECO12_A_30	35.66	35.92	35.93	0.01	0.09

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO12_A_40	35.21	35.43	35.44	0.02	0.16
ECO12_A_50	34.88	35.06	35.09	0.02	0.23
ECO12_A_75	34.34	34.45	34.49	0.04	0.38
ECO12_A_100	33.99	34.06	34.10	0.05	0.47
ECO12_A_150	33.60	33.60	33.66	0.06	0.56
ECO12_A_200	33.38	33.35	33.41	0.06	0.63
ECO13_A_125	44.47	43.58	43.78	0.20	1.95
ECO13_A_150	42.64	41.79	41.96	0.17	1.70
ECO13_A_200	39.81	39.03	39.17	0.14	1.35
ECO14_A_50	55.22	52.44	52.66	0.22	2.19
ECO14_A_75	49.74	47.37	47.55	0.18	1.80
ECO15_A_20	79.42	78.04	78.87	0.83	8.28
ECO15_A_30	73.96	72.46	73.17	0.71	7.15
ECO15_A_40	69.62	68.06	68.69	0.63	6.26
ECO15_A_50	66.26	64.68	65.24	0.56	5.61
ECO15_A_75	60.18	58.60	59.04	0.44	4.43
ECO15_A_100	56.01	54.45	54.81	0.36	3.60
ECO16_A_30	29.52	29.07	29.22	0.15	1.55
ECO16_A_40	27.64	27.20	27.33	0.14	1.37
ECO16_A_50	26.26	25.84	25.96	0.12	1.23
ECO16_A_75	23.93	23.54	23.64	0.10	0.99
ECO16_A_100	22.42	22.06	22.15	0.08	0.84
ECO16_A_150	20.46	20.14	20.20	0.06	0.63
ECO16_A_200	19.24	18.95	19.00	0.05	0.50
ECO17_A_10	16.66	30.64	30.65	0.01	0.15
ECO17_A_20	16.05	25.81	25.82	0.01	0.10
ECO17_A_30	15.73	23.36	23.37	0.01	0.08
ECO17_A_40	15.51	21.69	21.70	0.01	0.07
ECO17_A_50	15.37	20.69	20.69	0.01	0.06
ECO17_A_75	15.19	19.40	19.41	0.01	0.06
ECO17_A_100	15.05	18.38	18.38	0.00	0.04
ECO17_A_150	14.90	17.22	17.23	0.00	0.03
ECO17_A_200	14.82	16.56	16.56	0.00	0.03
ECO17_B_10	16.43	28.48	28.49	0.01	0.13
ECO17_B_20	16.00	25.12	25.14	0.01	0.10
ECO17_B_30	15.76	23.35	23.35	0.01	0.08

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO17_B_40	15.58	22.02	22.03	0.01	0.08
ECO17_B_50	15.46	21.19	21.19	0.01	0.06
ECO17_B_75	15.30	20.08	20.09	0.01	0.07
ECO17_B_100	15.16	19.11	19.12	0.00	0.04
ECO17_B_150	15.00	18.01	18.02	0.00	0.05
ECO17_B_200	14.90	17.32	17.32	0.00	0.03
ECO17_C_10	19.34	18.97	18.99	0.02	0.20
ECO17_C_20	17.93	17.70	17.71	0.02	0.16
ECO17_C_30	17.12	16.97	16.98	0.01	0.12
ECO17_C_40	16.59	16.50	16.51	0.01	0.10
ECO17_C_50	16.26	16.20	16.21	0.01	0.09
ECO17_C_75	15.86	15.84	15.85	0.01	0.06
ECO17_C_100	15.52	15.54	15.55	0.00	0.05
ECO17_C_150	15.16	15.23	15.24	0.00	0.04
ECO17_C_200	14.96	15.06	15.07	0.00	0.03

Table 4.5.32: Predicted Acid Deposition Changes due to 2031 Opening Year Traffic

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_A_10	1.36	1.35	1.36	0.01	1.28
ECO1_A_20	1.36	1.35	1.36	0.01	0.90
ECO1_A_30	1.35	1.35	1.35	0.01	0.72
ECO1_A_40	1.35	1.35	1.35	0.01	0.60
ECO1_A_50	1.35	1.34	1.35	0.01	0.53
ECO1_A_75	1.35	1.34	1.35	0.00	0.39
ECO1_A_100	1.34	1.34	1.34	0.00	0.31
ECO1_A_150	1.34	1.34	1.34	0.00	0.18
ECO1_A_200	1.34	1.33	1.34	0.00	0.13
ECO1_B_10	1.35	1.34	1.35	0.01	0.91
ECO1_B_20	1.34	1.34	1.34	0.01	0.66
ECO1_B_30	1.34	1.34	1.34	0.01	0.54
ECO1_B_40	1.34	1.34	1.34	0.00	0.46
ECO1_B_50	1.34	1.34	1.34	0.00	0.41
ECO1_B_75	1.34	1.34	1.34	0.00	0.33
ECO1_B_100	1.34	1.34	1.35	0.00	0.31

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_B_150	1.35	1.35	1.35	0.00	0.27
ECO1_B_200	1.35	1.35	1.35	0.00	0.27
ECO1_C_10	1.60	1.61	1.47	-0.13	-13.22
ECO1_C_20	1.54	1.54	1.47	-0.07	-6.77
ECO1_C_30	1.50	1.50	1.46	-0.04	-3.64
ECO1_C_40	1.47	1.47	1.46	-0.02	-1.56
ECO1_C_50	1.46	1.46	1.45	0.00	-0.45
ECO1_C_75	1.43	1.43	1.45	0.01	1.40
ECO1_C_100	1.42	1.41	1.44	0.02	2.31
ECO1_C_150	1.40	1.39	1.43	0.03	3.13
ECO1_C_200	1.38	1.38	1.41	0.03	3.27
ECO1_D_10	1.66	1.66	1.47	-0.19	-18.89
ECO1_D_20	1.58	1.58	1.48	-0.10	-10.03
ECO1_D_30	1.54	1.55	1.49	-0.05	-5.28
ECO1_D_40	1.52	1.52	1.51	-0.01	-1.39
ECO1_D_50	1.50	1.50	1.52	0.02	1.96
ECO1_E_10	1.45	1.45	1.77	0.32	31.86
ECO1_E_20	1.46	1.46	1.68	0.22	21.82
ECO1_E_30	1.46	1.46	1.62	0.15	15.33
ECO1_E_40	1.47	1.47	1.58	0.11	10.74
ECO1_E_50	1.48	1.48	1.55	0.07	7.43
ECO1_F_10	1.44	1.44	1.74	0.30	29.89
ECO1_F_20	1.44	1.44	1.66	0.22	21.60
ECO1_F_30	1.44	1.44	1.60	0.16	16.50
ECO1_F_40	1.44	1.44	1.57	0.13	13.29
ECO1_F_50	1.43	1.43	1.54	0.11	11.03
ECO1_F_75	1.43	1.43	1.51	0.07	7.47
ECO1_F_100	1.43	1.43	1.48	0.05	5.41
ECO1_F_150	1.43	1.43	1.46	0.03	3.18
ECO1_F_200	1.43	1.43	1.45	0.02	2.04
ECO1_G_10	3.35	3.37	3.41	0.04	4.29
ECO1_G_20	2.94	2.95	2.98	0.04	3.56
ECO1_G_30	2.69	2.69	2.72	0.03	3.09
ECO1_G_40	2.51	2.51	2.54	0.03	2.75
ECO1_G_50	2.38	2.38	2.41	0.02	2.48
ECO1_G_75	2.15	2.15	2.17	0.02	2.00

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_G_100	2.00	2.00	2.02	0.02	1.66
ECO1_G_150	1.81	1.81	1.83	0.01	1.22
ECO1_G_200	1.70	1.69	1.70	0.01	0.95
ECO1_H_10	4.18	4.18	4.24	0.06	5.88
ECO1_H_20	3.61	3.61	3.66	0.05	4.85
ECO1_H_30	3.29	3.28	3.33	0.04	4.27
ECO1_H_40	3.08	3.08	3.12	0.04	3.89
ECO1_H_50	2.91	2.90	2.94	0.04	3.57
ECO1_H_75	2.62	2.62	2.65	0.03	3.04
ECO1_H_100	2.41	2.41	2.44	0.03	2.65
ECO1_H_150	2.15	2.15	2.17	0.02	2.12
ECO1_H_200	1.97	1.97	1.99	0.02	1.75
ECO2_A_15	3.20	3.22	3.26	0.04	4.30
ECO2_A_25	2.85	2.86	2.89	0.04	3.64
ECO2_A_35	2.63	2.63	2.66	0.03	3.21
ECO2_A_45	2.47	2.47	2.50	0.03	2.91
ECO2_A_55	2.35	2.35	2.38	0.03	2.65
ECO2_A_80	2.14	2.14	2.16	0.02	2.22
ECO2_A_105	1.99	1.99	2.01	0.02	1.90
ECO2_A_155	1.81	1.81	1.82	0.01	1.46
ECO3_A	2.41	2.39	2.39	0.00	0.01
ECO3_B_	2.42	2.41	2.40	0.00	-0.20
ECO3_C_	2.45	2.44	2.43	-0.01	-0.83
ECO4_A_10	2.95	2.91	2.97	0.06	5.57
ECO4_A_20	2.93	2.89	2.94	0.04	4.43
ECO4_A_30	2.92	2.89	2.92	0.04	3.86
ECO4_A_40	2.92	2.88	2.92	0.03	3.46
ECO4_A_50	2.92	2.89	2.92	0.03	3.19
ECO4_A_75	2.93	2.90	2.93	0.03	2.76
ECO4_A_100	2.94	2.92	2.94	0.03	2.54
ECO5_A_125	1.38	1.41	1.42	0.00	0.31
ECO5_A_150	1.35	1.38	1.38	0.00	0.28
ECO5_A_200	1.31	1.33	1.33	0.00	0.22
ECO6_A_10	2.67	2.64	2.66	0.02	2.09
ECO6_A_20	2.54	2.51	2.53	0.02	1.64
ECO6_A_30	2.46	2.43	2.45	0.01	1.40

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO6_A_40	2.41	2.38	2.40	0.01	1.22
ECO6_A_50	2.37	2.34	2.36	0.01	1.12
ECO6_A_75	2.30	2.28	2.29	0.01	0.88
ECO6_A_100	2.26	2.24	2.25	0.01	0.74
ECO6_A_150	2.21	2.19	2.20	0.01	0.54
ECO6_A_200	2.18	2.16	2.17	0.00	0.44
ECO7_A_150	1.21	1.20	1.20	0.00	0.39
ECO7_A_200	1.19	1.18	1.18	0.00	0.31
ECO8_A_10	5.04	4.78	4.80	0.01	1.40
ECO8_A_20	4.47	4.24	4.25	0.01	1.15
ECO8_A_30	4.14	3.92	3.94	0.01	1.01
ECO8_A_40	3.90	3.70	3.71	0.01	0.91
ECO8_A_50	3.70	3.52	3.53	0.01	0.82
ECO8_A_75	3.38	3.22	3.23	0.01	0.70
ECO8_B_10	5.08	4.78	4.79	0.01	1.13
ECO8_B_20	4.61	4.35	4.36	0.01	1.04
ECO8_B_30	4.26	4.03	4.04	0.01	0.96
ECO8_B_40	4.04	3.82	3.83	0.01	0.88
ECO8_B_50	3.85	3.66	3.66	0.01	0.86
ECO8_B_75	3.52	3.35	3.36	0.01	0.69
ECO8_B_100	3.28	3.13	3.14	0.01	0.59
ECO9_A_15	3.73	3.66	3.68	0.02	2.09
ECO9_A_25	3.47	3.40	3.42	0.02	1.80
ECO9_A_35	3.29	3.23	3.25	0.02	1.60
ECO9_A_45	3.16	3.10	3.12	0.01	1.43
ECO9_A_55	3.06	3.00	3.02	0.01	1.31
ECO9_A_80	2.87	2.82	2.83	0.01	1.07
ECO9_A_105	2.74	2.69	2.70	0.01	0.91
ECO9_A_155	2.57	2.53	2.54	0.01	0.67
ECO9_A_205	2.46	2.43	2.43	0.01	0.50
ECO9_B_10	4.64	4.56	4.59	0.03	3.06
ECO9_B_20	4.17	4.09	4.12	0.03	2.53
ECO9_B_30	3.89	3.81	3.83	0.02	2.21
ECO9_B_40	3.69	3.61	3.63	0.02	2.00
ECO10_A_30	2.91	2.94	2.94	0.00	-0.27
ECO10_A_40	2.84	2.87	2.87	0.00	-0.12

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO10_A_50	2.79	2.81	2.81	0.00	-0.05
ECO10_A_60	2.75	2.78	2.78	0.00	0.01
ECO10_A_70	2.72	2.74	2.74	0.00	0.08
ECO10_A_95	2.67	2.69	2.69	0.00	0.15
ECO10_A_120	2.64	2.65	2.65	0.00	0.22
ECO10_A_170	2.59	2.60	2.60	0.00	0.30
ECO11_A_15	5.20	5.19	5.26	0.07	6.87
ECO11_A_25	4.71	4.70	4.76	0.06	5.91
ECO11_A_35	4.36	4.35	4.40	0.05	5.21
ECO11_A_45	4.11	4.10	4.14	0.05	4.68
ECO11_A_55	3.93	3.92	3.96	0.04	4.25
ECO11_A_80	3.59	3.58	3.62	0.03	3.47
ECO11_A_105	3.36	3.35	3.38	0.03	2.87
ECO11_A_155	3.08	3.06	3.08	0.02	2.08
ECO11_A_205	2.90	2.88	2.90	0.02	1.57
ECO12_A_10	2.77	2.81	2.81	0.00	-0.22
ECO12_A_20	2.69	2.72	2.72	0.00	-0.03
ECO12_A_30	2.64	2.66	2.66	0.00	0.06
ECO12_A_40	2.61	2.63	2.63	0.00	0.11
ECO12_A_50	2.59	2.60	2.60	0.00	0.16
ECO12_A_75	2.55	2.56	2.56	0.00	0.27
ECO12_A_100	2.53	2.53	2.53	0.00	0.33
ECO12_A_150	2.50	2.50	2.50	0.00	0.40
ECO12_A_200	2.48	2.48	2.48	0.00	0.45
ECO13_A_125	3.24	3.17	3.19	0.01	1.39
ECO13_A_150	3.11	3.05	3.06	0.01	1.21
ECO13_A_200	2.91	2.85	2.86	0.01	0.96
ECO14_A_50	4.00	3.80	3.82	0.02	1.56
ECO14_A_75	3.61	3.44	3.46	0.01	1.28
ECO15_A_20	5.73	5.63	5.69	0.06	5.90
ECO15_A_30	5.34	5.24	5.29	0.05	5.09
ECO15_A_40	5.03	4.92	4.97	0.04	4.45
ECO15_A_50	4.80	4.68	4.72	0.04	3.99
ECO15_A_75	4.36	4.25	4.28	0.03	3.15
ECO15_A_100	4.07	3.95	3.98	0.03	2.56
ECO16_A_30	2.14	2.11	2.12	0.01	1.10

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO16_A_40	2.01	1.98	1.99	0.01	0.97
ECO16_A_50	1.91	1.88	1.89	0.01	0.87
ECO16_A_75	1.74	1.72	1.72	0.01	0.70
ECO16_A_100	1.64	1.61	1.62	0.01	0.60
ECO16_A_150	1.50	1.47	1.48	0.00	0.45
ECO16_A_200	1.41	1.39	1.39	0.00	0.35
ECO17_A_10	1.20	2.19	2.19	0.00	0.10
ECO17_A_20	1.15	1.85	1.85	0.00	0.07
ECO17_A_30	1.13	1.67	1.67	0.00	0.06
ECO17_A_40	1.11	1.55	1.56	0.00	0.05
ECO17_A_50	1.10	1.48	1.48	0.00	0.04
ECO17_A_75	1.09	1.39	1.39	0.00	0.05
ECO17_A_100	1.08	1.32	1.32	0.00	0.03
ECO17_A_150	1.07	1.24	1.24	0.00	0.02
ECO17_A_200	1.07	1.19	1.19	0.00	0.02
ECO17_B_10	1.27	2.13	2.13	0.00	0.09
ECO17_B_20	1.24	1.89	1.89	0.00	0.07
ECO17_B_30	1.23	1.77	1.77	0.00	0.05
ECO17_B_40	1.21	1.67	1.67	0.00	0.06
ECO17_B_50	1.20	1.61	1.61	0.00	0.04
ECO17_B_75	1.19	1.53	1.53	0.00	0.05
ECO17_B_100	1.18	1.46	1.46	0.00	0.03
ECO17_B_150	1.17	1.39	1.39	0.00	0.04
ECO17_B_200	1.16	1.34	1.34	0.00	0.02
ECO17_C_10	1.39	1.36	1.36	0.00	0.14
ECO17_C_20	1.29	1.27	1.27	0.00	0.11
ECO17_C_30	1.23	1.22	1.22	0.00	0.08
ECO17_C_40	1.19	1.18	1.19	0.00	0.07
ECO17_C_50	1.17	1.16	1.16	0.00	0.06
ECO17_C_75	1.14	1.14	1.14	0.00	0.04
ECO17_C_100	1.12	1.12	1.12	0.00	0.04
ECO17_C_150	1.09	1.09	1.10	0.00	0.03
ECO17_C_200	1.08	1.08	1.08	0.00	0.02

2034 Baseline vs 2034 Completion Year (Do Something)

Table 4.5.33: Predicted NO_x Concentration Changes due to 2034 Completion Year Traffic

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	9.3	6.1	6.4	0.3	0.94
ECO1_A_20	9.2	6.1	6.3	0.2	0.80
ECO1_A_30	9.1	6.0	6.3	0.2	0.73
ECO1_A_40	9.1	6.0	6.2	0.2	0.68
ECO1_A_50	9.0	6.0	6.2	0.2	0.65
ECO1_A_75	9.0	6.0	6.2	0.2	0.58
ECO1_A_100	8.9	6.0	6.2	0.2	0.54
ECO1_A_150	8.8	6.0	6.1	0.1	0.46
ECO1_A_200	8.8	5.9	6.1	0.1	0.41
ECO1_B_10	9.2	6.1	6.3	0.2	0.81
ECO1_B_20	9.1	6.0	6.3	0.2	0.74
ECO1_B_30	9.1	6.0	6.3	0.2	0.70
ECO1_B_40	9.8	6.4	6.6	0.2	0.69
ECO1_B_50	9.8	6.4	6.6	0.2	0.68
ECO1_B_75	9.8	6.4	6.6	0.2	0.69
ECO1_B_100	9.8	6.5	6.7	0.2	0.72
ECO1_B_150	10.0	6.5	6.7	0.3	0.84
ECO1_B_200	10.0	6.5	6.8	0.3	0.96
ECO1_C_10	23.2	14.4	15.8	1.4	4.65
ECO1_C_20	21.7	13.7	15.7	1.9	6.45
ECO1_C_30	20.9	13.4	15.6	2.2	7.25
ECO1_C_40	20.4	13.2	15.5	2.3	7.72
ECO1_C_50	20.0	13.0	15.4	2.4	7.89
ECO1_C_75	19.4	12.8	15.2	2.4	8.14
ECO1_C_100	19.1	12.6	15.1	2.4	8.12
ECO1_C_150	12.1	7.7	10.1	2.4	7.87
ECO1_C_200	11.8	7.6	9.8	2.2	7.35
ECO1_D_10	24.7	15.0	15.8	0.8	2.76
ECO1_D_20	23.0	14.2	16.0	1.8	5.84
ECO1_D_30	22.1	13.9	16.2	2.3	7.70
ECO1_D_40	21.6	13.7	16.5	2.8	9.38
ECO1_D_50	21.2	13.5	16.8	3.3	10.99
ECO1_E_10	20.1	13.0	21.8	8.7	29.13

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_E_20	20.2	13.1	20.0	6.9	22.90
ECO1_E_30	20.4	13.1	18.8	5.6	18.78
ECO1_E_40	20.5	13.2	18.0	4.8	15.96
ECO1_E_50	20.7	13.3	17.5	4.2	13.95
ECO1_F_10	19.9	12.9	21.4	8.4	28.13
ECO1_F_20	19.9	12.9	19.5	6.6	21.87
ECO1_F_30	19.8	12.9	18.3	5.4	17.93
ECO1_F_40	19.8	12.9	17.5	4.6	15.36
ECO1_F_50	19.7	12.8	16.9	4.0	13.49
ECO1_F_75	19.6	12.8	15.9	3.1	10.44
ECO1_F_100	19.6	12.8	15.3	2.6	8.54
ECO1_F_150	19.6	12.8	14.6	1.9	6.27
ECO1_F_200	19.6	12.8	14.2	1.5	4.94
ECO1_G_10	60.9	26.2	27.5	1.3	4.46
ECO1_G_20	51.6	23.0	24.2	1.2	3.90
ECO1_G_30	46.0	21.1	22.2	1.1	3.53
ECO1_G_40	42.1	19.8	20.8	1.0	3.26
ECO1_G_50	39.1	18.8	19.7	0.9	3.05
ECO1_G_75	34.1	17.0	17.8	0.8	2.67
ECO1_G_100	32.2	17.2	17.9	0.7	2.43
ECO1_G_150	28.1	15.7	16.4	0.6	2.14
ECO1_G_200	25.5	14.8	15.4	0.6	2.01
ECO1_H_10	81.1	33.7	35.7	1.9	6.45
ECO1_H_20	63.4	25.8	27.4	1.6	5.33
ECO1_H_30	55.8	23.2	24.6	1.4	4.71
ECO1_H_40	51.1	21.5	22.8	1.3	4.33
ECO1_H_50	47.2	20.1	21.3	1.2	4.00
ECO1_H_75	40.7	17.8	18.8	1.0	3.45
ECO1_H_100	36.1	16.2	17.1	0.9	3.05
ECO1_H_150	30.2	14.1	14.8	0.7	2.49
ECO1_H_200	26.2	12.7	13.3	0.6	2.08
ECO2_A_15	59.0	26.3	27.7	1.3	4.48
ECO2_A_25	51.1	23.7	24.9	1.2	3.99
ECO2_A_35	46.1	22.0	23.1	1.1	3.66
ECO2_A_45	42.6	20.8	21.8	1.0	3.42
ECO2_A_55	39.9	19.8	20.8	1.0	3.23

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO2_A_80	35.2	18.2	19.1	0.9	2.89
ECO2_A_105	32.0	17.1	17.9	0.8	2.67
ECO2_A_155	28.0	15.7	16.4	0.7	2.38
ECO3_A	14.2	8.1	10.6	2.6	8.52
ECO3_B_	14.5	8.2	10.3	2.2	7.28
ECO3_C_	15.3	8.4	10.1	1.7	5.56
ECO4_A_10	20.0	11.2	11.4	0.2	0.75
ECO4_A_20	19.7	11.1	11.4	0.3	0.92
ECO4_A_30	19.6	11.1	11.4	0.3	1.02
ECO4_A_40	19.5	11.1	11.4	0.3	1.09
ECO4_A_50	19.5	11.1	11.4	0.3	1.14
ECO4_A_75	19.7	11.1	11.5	0.4	1.24
ECO4_A_100	20.0	11.2	11.6	0.4	1.31
ECO5_A_125	20.2	10.9	11.3	0.4	1.18
ECO5_A_150	19.3	10.5	10.8	0.3	1.04
ECO5_A_200	17.6	9.7	10.0	0.2	0.80
ECO6_A_10	22.6	10.9	12.0	1.1	3.50
ECO6_A_20	19.5	9.8	10.6	0.8	2.74
ECO6_A_30	17.7	9.2	9.9	0.7	2.32
ECO6_A_40	16.5	8.7	9.4	0.6	2.03
ECO6_A_50	15.5	8.4	8.9	0.5	1.81
ECO6_A_75	14.1	7.9	8.3	0.4	1.44
ECO6_A_100	13.1	7.5	7.9	0.4	1.20
ECO6_A_150	12.0	7.1	7.4	0.3	0.89
ECO6_A_200	11.3	6.9	7.1	0.2	0.71
ECO7_A_150	11.9	7.0	7.3	0.3	0.97
ECO7_A_200	11.3	6.8	7.0	0.2	0.76
ECO8_A_10	91.2	36.2	36.7	0.5	1.66
ECO8_A_20	75.4	30.4	30.8	0.4	1.38
ECO8_A_30	66.2	27.0	27.4	0.4	1.21
ECO8_A_40	59.7	24.7	25.0	0.3	1.08
ECO8_A_50	54.5	22.8	23.0	0.3	0.97
ECO8_A_75	45.9	19.6	19.8	0.2	0.79
ECO8_B_10	92.1	36.4	36.9	0.5	1.80
ECO8_B_20	79.0	31.7	32.1	0.5	1.52
ECO8_B_30	69.7	28.3	28.7	0.4	1.33

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO8_B_40	63.5	26.0	26.4	0.4	1.20
ECO8_B_50	58.6	24.2	24.5	0.3	1.10
ECO8_B_75	49.7	20.9	21.2	0.3	0.90
ECO8_B_100	43.4	18.6	18.8	0.2	0.75
ECO9_A_15	52.8	20.2	20.5	0.3	1.12
ECO9_A_25	45.9	18.0	18.3	0.3	0.98
ECO9_A_35	41.3	16.5	16.8	0.3	0.88
ECO9_A_45	37.8	15.4	15.7	0.2	0.81
ECO9_A_55	35.1	14.6	14.8	0.2	0.74
ECO9_A_80	30.2	13.0	13.2	0.2	0.62
ECO9_A_105	26.9	11.9	12.1	0.2	0.52
ECO9_A_155	22.0	10.4	10.5	0.1	0.39
ECO9_A_205	19.2	9.5	9.6	0.1	0.30
ECO9_B_10	77.3	27.8	28.4	0.5	1.76
ECO9_B_20	64.6	23.8	24.3	0.4	1.45
ECO9_B_30	56.9	21.4	21.8	0.4	1.28
ECO9_B_40	51.6	19.8	20.1	0.3	1.16
ECO10_A_30	17.4	10.0	10.2	0.1	0.43
ECO10_A_40	16.4	9.6	9.7	0.1	0.46
ECO10_A_50	15.7	9.3	9.4	0.1	0.48
ECO10_A_60	15.3	9.1	9.2	0.1	0.49
ECO10_A_70	14.9	8.9	9.1	0.2	0.50
ECO10_A_95	14.2	8.6	8.8	0.2	0.52
ECO10_A_120	13.7	8.4	8.6	0.2	0.53
ECO10_A_170	13.1	8.1	8.3	0.2	0.54
ECO11_A_15	53.8	21.5	22.7	1.1	3.78
ECO11_A_25	46.7	19.2	20.2	1.0	3.34
ECO11_A_35	41.6	17.4	18.3	0.9	3.01
ECO11_A_45	38.0	16.2	17.0	0.8	2.76
ECO11_A_55	35.5	15.3	16.1	0.8	2.58
ECO11_A_80	30.7	13.7	14.4	0.7	2.23
ECO11_A_105	27.4	12.6	13.2	0.6	1.99
ECO11_A_155	23.4	11.1	11.7	0.5	1.68
ECO11_A_205	20.8	10.3	10.7	0.4	1.50
ECO12_A_10	15.9	9.4	9.4	0.1	0.27
ECO12_A_20	14.7	8.8	8.9	0.1	0.32

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO12_A_30	14.1	8.5	8.7	0.1	0.34
ECO12_A_40	13.6	8.4	8.5	0.1	0.36
ECO12_A_50	13.3	8.2	8.3	0.1	0.38
ECO12_A_75	12.7	8.0	8.1	0.1	0.40
ECO12_A_100	12.4	7.8	7.9	0.1	0.42
ECO12_A_150	12.0	7.6	7.8	0.1	0.45
ECO12_A_200	11.8	7.5	7.7	0.1	0.47
ECO13_A_125	39.5	15.9	16.2	0.3	0.90
ECO13_A_150	36.1	14.8	15.1	0.2	0.79
ECO13_A_200	30.9	13.2	13.4	0.2	0.63
ECO14_A_50	63.6	26.2	26.5	0.3	1.03
ECO14_A_75	53.2	22.3	22.6	0.2	0.83
ECO15_A_20	111.8	44.9	47.2	2.3	7.69
ECO15_A_30	101.0	40.7	42.7	2.0	6.78
ECO15_A_40	92.5	37.4	39.2	1.8	6.07
ECO15_A_50	85.9	34.8	36.5	1.7	5.52
ECO15_A_75	74.0	30.3	31.6	1.3	4.49
ECO15_A_100	65.9	27.1	28.3	1.1	3.76
ECO16_A_30	54.7	20.4	20.8	0.4	1.41
ECO16_A_40	49.1	18.7	19.0	0.4	1.26
ECO16_A_50	45.0	17.4	17.7	0.3	1.16
ECO16_A_75	38.1	15.2	15.5	0.3	0.96
ECO16_A_100	33.7	13.8	14.1	0.2	0.82
ECO16_A_150	27.9	12.0	12.2	0.2	0.62
ECO16_A_200	24.4	10.9	11.1	0.1	0.49
ECO17_A_10	46.6	21.2	21.3	0.1	0.19
ECO17_A_20	36.5	17.6	17.7	0.0	0.14
ECO17_A_30	31.4	15.8	15.8	0.0	0.12
ECO17_A_40	28.0	14.5	14.6	0.0	0.10
ECO17_A_50	25.9	13.8	13.8	0.0	0.09
ECO17_A_75	23.2	12.8	12.8	0.0	0.08
ECO17_A_100	21.1	12.0	12.1	0.0	0.07
ECO17_A_150	18.7	11.2	11.2	0.0	0.06
ECO17_A_200	17.4	10.7	10.7	0.0	0.05
ECO17_B_10	42.7	20.3	20.4	0.0	0.16
ECO17_B_20	35.8	17.8	17.9	0.0	0.13

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO17_B_30	32.1	16.5	16.5	0.0	0.11
ECO17_B_40	29.3	15.5	15.5	0.0	0.10
ECO17_B_50	27.6	14.9	14.9	0.0	0.09
ECO17_B_75	25.3	14.0	14.1	0.0	0.08
ECO17_B_100	23.3	13.3	13.3	0.0	0.07
ECO17_B_150	21.1	12.5	12.5	0.0	0.06
ECO17_B_200	19.7	12.0	12.0	0.0	0.05
ECO17_C_10	20.7	11.5	11.6	0.1	0.28
ECO17_C_20	18.1	10.6	10.7	0.1	0.21
ECO17_C_30	16.5	10.1	10.1	0.0	0.17
ECO17_C_40	15.5	9.8	9.8	0.0	0.14
ECO17_C_50	14.9	9.6	9.6	0.0	0.12
ECO17_C_75	14.2	9.3	9.3	0.0	0.10
ECO17_C_100	13.6	9.1	9.1	0.0	0.08
ECO17_C_150	12.9	8.9	8.9	0.0	0.06
ECO17_C_200	12.5	8.7	8.8	0.0	0.05

Table 4.5.34: Predicted NH_3 Concentration Changes due to 2034 Completion Year Traffic

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	1.79	1.80	1.90	0.10	3.17
ECO1_A_20	1.77	1.79	1.87	0.08	2.55
ECO1_A_30	1.77	1.79	1.86	0.07	2.26
ECO1_A_40	1.76	1.78	1.85	0.06	2.06
ECO1_A_50	1.76	1.78	1.84	0.06	1.92
ECO1_A_75	1.75	1.77	1.83	0.05	1.68
ECO1_A_100	1.75	1.77	1.82	0.05	1.51
ECO1_A_150	1.74	1.76	1.80	0.04	1.25
ECO1_A_200	1.73	1.75	1.78	0.03	1.09
ECO1_B_10	1.77	1.79	1.87	0.08	2.59
ECO1_B_20	1.77	1.79	1.86	0.07	2.23
ECO1_B_30	1.77	1.79	1.85	0.06	2.06
ECO1_B_40	1.77	1.79	1.85	0.06	1.97
ECO1_B_50	1.77	1.79	1.85	0.06	1.91
ECO1_B_75	1.77	1.79	1.85	0.06	1.86

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_B_100	1.77	1.80	1.86	0.06	1.89
ECO1_B_150	1.78	1.82	1.88	0.06	2.07
ECO1_B_200	1.80	1.83	1.90	0.07	2.29
ECO1_C_10	2.50	2.62	2.77	0.15	5.01
ECO1_C_20	2.33	2.43	2.74	0.31	10.35
ECO1_C_30	2.25	2.34	2.72	0.38	12.79
ECO1_C_40	2.18	2.27	2.70	0.43	14.27
ECO1_C_50	2.15	2.23	2.67	0.45	14.91
ECO1_C_75	2.08	2.15	2.63	0.48	15.84
ECO1_C_100	2.04	2.11	2.59	0.48	15.98
ECO1_C_150	2.00	2.05	2.52	0.47	15.56
ECO1_C_200	1.97	2.02	2.45	0.43	14.49
ECO1_D_10	2.68	2.82	2.81	0.00	-0.11
ECO1_D_20	2.49	2.60	2.86	0.25	8.44
ECO1_D_30	2.40	2.50	2.91	0.40	13.41
ECO1_D_40	2.34	2.43	2.97	0.53	17.76
ECO1_D_50	2.29	2.38	3.04	0.65	21.81
ECO1_E_10	2.18	2.26	4.24	1.98	65.97
ECO1_E_20	2.19	2.27	3.78	1.51	50.39
ECO1_E_30	2.21	2.29	3.50	1.22	40.51
ECO1_E_40	2.22	2.31	3.32	1.01	33.78
ECO1_E_50	2.24	2.33	3.20	0.87	29.02
ECO1_F_10	2.16	2.23	4.11	1.88	62.71
ECO1_F_20	2.15	2.23	3.69	1.46	48.79
ECO1_F_30	2.15	2.22	3.42	1.20	40.10
ECO1_F_40	2.14	2.21	3.25	1.04	34.51
ECO1_F_50	2.14	2.21	3.12	0.91	30.45
ECO1_F_75	2.13	2.20	2.91	0.71	23.82
ECO1_F_100	2.12	2.19	2.78	0.59	19.71
ECO1_F_150	2.12	2.19	2.63	0.44	14.75
ECO1_F_200	2.12	2.19	2.55	0.35	11.82
ECO1_G_10	6.81	7.37	7.79	0.43	14.25
ECO1_G_20	5.78	6.24	6.61	0.37	12.21
ECO1_G_30	5.16	5.56	5.89	0.33	10.93
ECO1_G_40	4.74	5.09	5.39	0.30	10.00
ECO1_G_50	4.42	4.73	5.01	0.28	9.28

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_G_75	3.86	4.12	4.36	0.24	8.01
ECO1_G_100	3.50	3.72	3.93	0.22	7.17
ECO1_G_150	3.05	3.22	3.40	0.19	6.17
ECO1_G_200	2.77	2.90	3.07	0.17	5.65
ECO1_H_10	9.01	9.66	10.23	0.57	19.05
ECO1_H_20	7.60	8.15	8.63	0.48	15.93
ECO1_H_30	6.78	7.28	7.70	0.42	14.14
ECO1_H_40	6.28	6.73	7.12	0.39	13.01
ECO1_H_50	5.85	6.27	6.63	0.36	12.05
ECO1_H_75	5.14	5.50	5.81	0.31	10.41
ECO1_H_100	4.64	4.96	5.23	0.28	9.19
ECO1_H_150	4.01	4.26	4.48	0.22	7.49
ECO1_H_200	3.57	3.78	3.97	0.19	6.26
ECO2_A_15	6.44	6.96	7.38	0.42	13.99
ECO2_A_25	5.57	6.00	6.37	0.37	12.21
ECO2_A_35	5.02	5.40	5.73	0.33	11.06
ECO2_A_45	4.64	4.97	5.28	0.31	10.23
ECO2_A_55	4.34	4.65	4.94	0.29	9.59
ECO2_A_80	3.83	4.08	4.33	0.25	8.45
ECO2_A_105	3.48	3.70	3.93	0.23	7.68
ECO2_A_155	3.04	3.20	3.40	0.20	6.68
ECO3_A	2.06	2.12	2.51	0.40	39.60
ECO3_B_	2.07	2.14	2.48	0.34	34.09
ECO3_C_	2.12	2.19	2.45	0.26	26.24
ECO4_A_10	2.77	2.89	2.93	0.04	4.17
ECO4_A_20	2.73	2.84	2.91	0.06	6.27
ECO4_A_30	2.71	2.83	2.90	0.07	7.44
ECO4_A_40	2.71	2.82	2.91	0.08	8.28
ECO4_A_50	2.71	2.82	2.91	0.09	8.88
ECO4_A_75	2.72	2.84	2.94	0.10	9.99
ECO4_A_100	2.75	2.87	2.98	0.11	10.79
ECO5_A_125	2.16	2.38	2.40	0.03	0.92
ECO5_A_150	2.10	2.29	2.32	0.02	0.81
ECO5_A_200	2.00	2.15	2.17	0.02	0.62
ECO6_A_10	2.34	2.50	2.60	0.09	9.07
ECO6_A_20	2.15	2.28	2.35	0.07	7.17

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO6_A_30	2.04	2.15	2.21	0.06	6.10
ECO6_A_40	1.97	2.07	2.12	0.05	5.40
ECO6_A_50	1.91	2.00	2.05	0.05	4.84
ECO6_A_75	1.82	1.90	1.94	0.04	3.92
ECO6_A_100	1.77	1.83	1.86	0.03	3.28
ECO6_A_150	1.70	1.74	1.77	0.02	2.44
ECO6_A_200	1.66	1.69	1.71	0.02	1.93
ECO7_A_150	1.81	1.85	1.88	0.03	0.97
ECO7_A_200	1.77	1.81	1.83	0.02	0.76
ECO8_A_10	5.80	6.04	6.07	0.03	3.26
ECO8_A_20	4.95	5.15	5.18	0.03	2.91
ECO8_A_30	4.45	4.63	4.66	0.03	2.65
ECO8_A_40	4.11	4.27	4.30	0.02	2.43
ECO8_A_50	3.83	3.98	4.00	0.02	2.24
ECO8_A_75	3.37	3.49	3.51	0.02	1.87
ECO8_B_10	5.85	6.05	6.09	0.04	4.13
ECO8_B_20	5.14	5.33	5.36	0.04	3.53
ECO8_B_30	4.64	4.81	4.84	0.03	3.13
ECO8_B_40	4.31	4.47	4.50	0.03	2.86
ECO8_B_50	4.05	4.20	4.22	0.03	2.64
ECO8_B_75	3.57	3.70	3.72	0.02	2.22
ECO8_B_100	3.23	3.34	3.36	0.02	1.90
ECO9_A_15	3.84	4.21	4.31	0.10	3.47
ECO9_A_25	3.47	3.78	3.87	0.09	2.99
ECO9_A_35	3.22	3.50	3.58	0.08	2.66
ECO9_A_45	3.04	3.29	3.36	0.07	2.40
ECO9_A_55	2.89	3.12	3.18	0.07	2.20
ECO9_A_80	2.63	2.82	2.87	0.05	1.81
ECO9_A_105	2.45	2.61	2.65	0.05	1.52
ECO9_A_155	2.22	2.33	2.37	0.03	1.12
ECO9_A_205	2.07	2.16	2.19	0.03	0.87
ECO9_B_10	5.16	5.70	5.86	0.16	5.41
ECO9_B_20	4.48	4.92	5.05	0.13	4.44
ECO9_B_30	4.07	4.45	4.57	0.12	3.87
ECO9_B_40	3.78	4.13	4.23	0.10	3.49
ECO10_A_30	2.65	2.85	2.83	-0.01	-1.42

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO10_A_40	2.54	2.72	2.71	0.00	-0.36
ECO10_A_50	2.47	2.62	2.63	0.00	0.36
ECO10_A_60	2.41	2.56	2.57	0.01	0.85
ECO10_A_70	2.37	2.50	2.52	0.01	1.28
ECO10_A_95	2.29	2.41	2.43	0.02	1.99
ECO10_A_120	2.24	2.35	2.37	0.02	2.47
ECO10_A_170	2.17	2.26	2.29	0.03	3.06
ECO11_A_15	6.48	7.04	7.43	0.39	12.96
ECO11_A_25	5.70	6.18	6.52	0.34	11.37
ECO11_A_35	5.14	5.56	5.86	0.31	10.17
ECO11_A_45	4.74	5.12	5.40	0.28	9.29
ECO11_A_55	4.46	4.80	5.06	0.26	8.65
ECO11_A_80	3.94	4.22	4.44	0.22	7.42
ECO11_A_105	3.58	3.81	4.01	0.20	6.55
ECO11_A_155	3.13	3.31	3.47	0.16	5.47
ECO11_A_205	2.85	2.99	3.14	0.14	4.81
ECO12_A_10	2.53	2.71	2.69	-0.02	-1.85
ECO12_A_20	2.41	2.55	2.54	0.00	-0.48
ECO12_A_30	2.33	2.46	2.46	0.00	0.30
ECO12_A_40	2.28	2.40	2.41	0.01	0.83
ECO12_A_50	2.25	2.35	2.37	0.01	1.23
ECO12_A_75	2.19	2.28	2.30	0.02	1.93
ECO12_A_100	2.15	2.23	2.26	0.02	2.41
ECO12_A_150	2.11	2.18	2.21	0.03	3.02
ECO12_A_200	2.08	2.15	2.18	0.03	3.41
ECO13_A_125	3.26	3.51	3.59	0.08	7.66
ECO13_A_150	3.08	3.30	3.37	0.07	6.77
ECO13_A_200	2.80	2.97	3.03	0.05	5.35
ECO14_A_50	4.28	4.44	4.46	0.02	2.18
ECO14_A_75	3.72	3.85	3.87	0.02	1.80
ECO15_A_20	6.77	7.40	7.75	0.35	35.45
ECO15_A_30	6.18	6.73	7.04	0.31	31.13
ECO15_A_40	5.71	6.21	6.49	0.28	27.74
ECO15_A_50	5.36	5.81	6.06	0.25	25.11
ECO15_A_75	4.72	5.10	5.30	0.20	20.19
ECO15_A_100	4.28	4.61	4.78	0.17	16.65

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO16_A_30	3.83	4.15	4.26	0.11	3.79
ECO16_A_40	3.53	3.81	3.91	0.10	3.36
ECO16_A_50	3.31	3.56	3.65	0.09	3.04
ECO16_A_75	2.94	3.14	3.22	0.07	2.47
ECO16_A_100	2.70	2.87	2.94	0.06	2.08
ECO16_A_150	2.39	2.52	2.57	0.05	1.54
ECO16_A_200	2.20	2.31	2.34	0.04	1.20
ECO17_A_10	1.43	4.40	4.41	0.01	0.26
ECO17_A_20	1.43	3.52	3.53	0.01	0.19
ECO17_A_30	1.43	3.07	3.08	0.00	0.16
ECO17_A_40	1.43	2.77	2.77	0.00	0.14
ECO17_A_50	1.43	2.59	2.59	0.00	0.12
ECO17_A_75	1.43	2.35	2.36	0.00	0.10
ECO17_A_100	1.43	2.17	2.17	0.00	0.09
ECO17_A_150	1.44	1.96	1.96	0.00	0.07
ECO17_A_200	1.44	1.84	1.84	0.00	0.06
ECO17_B_10	1.42	3.99	3.99	0.01	0.22
ECO17_B_20	1.42	3.38	3.38	0.01	0.18
ECO17_B_30	1.42	3.05	3.06	0.00	0.15
ECO17_B_40	1.42	2.81	2.82	0.00	0.13
ECO17_B_50	1.42	2.66	2.66	0.00	0.12
ECO17_B_75	1.42	2.46	2.46	0.00	0.11
ECO17_B_100	1.42	2.28	2.28	0.00	0.09
ECO17_B_150	1.42	2.08	2.08	0.00	0.07
ECO17_B_200	1.42	1.95	1.96	0.00	0.06
ECO17_C_10	2.24	2.28	2.29	0.01	0.37
ECO17_C_20	2.01	2.04	2.05	0.01	0.27
ECO17_C_30	1.87	1.91	1.92	0.01	0.22
ECO17_C_40	1.78	1.83	1.83	0.01	0.18
ECO17_C_50	1.73	1.77	1.78	0.00	0.16
ECO17_C_75	1.66	1.71	1.71	0.00	0.13
ECO17_C_100	1.61	1.65	1.65	0.00	0.11
ECO17_C_150	1.55	1.59	1.60	0.00	0.08
ECO17_C_200	1.51	1.56	1.56	0.00	0.06

Table 4.5.35: Predicted Nitrogen Deposition Changes due to 2034 Completion Year Traffic

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	17.97	17.88	18.38	0.51	5.07
ECO1_A_20	17.90	17.83	18.24	0.41	4.10
ECO1_A_30	17.86	17.81	18.17	0.36	3.63
ECO1_A_40	17.83	17.79	18.12	0.33	3.30
ECO1_A_50	17.81	17.77	18.08	0.31	3.09
ECO1_A_75	17.77	17.74	18.00	0.27	2.69
ECO1_A_100	17.74	17.71	17.95	0.24	2.43
ECO1_A_150	17.68	17.66	17.86	0.20	2.01
ECO1_A_200	17.64	17.61	17.79	0.18	1.76
ECO1_B_10	17.77	17.70	18.11	0.42	4.15
ECO1_B_20	17.74	17.68	18.04	0.36	3.57
ECO1_B_30	17.72	17.68	18.01	0.33	3.31
ECO1_B_40	17.72	17.68	18.00	0.32	3.15
ECO1_B_50	17.72	17.69	17.99	0.31	3.08
ECO1_B_75	17.73	17.71	18.01	0.30	3.00
ECO1_B_100	17.76	17.74	18.05	0.31	3.05
ECO1_B_150	17.83	17.82	18.16	0.34	3.37
ECO1_B_200	17.89	17.88	18.25	0.37	3.71
ECO1_C_10	21.55	21.74	22.62	0.88	8.82
ECO1_C_20	20.57	20.72	22.48	1.76	17.56
ECO1_C_30	20.06	20.19	22.34	2.15	21.52
ECO1_C_40	19.70	19.81	22.21	2.40	23.95
ECO1_C_50	19.49	19.59	22.09	2.50	24.98
ECO1_C_75	19.11	19.19	21.84	2.65	26.47
ECO1_C_100	18.88	18.95	21.62	2.67	26.69
ECO1_C_150	18.60	18.64	21.24	2.60	25.99
ECO1_C_200	18.42	18.46	20.88	2.42	24.19
ECO1_D_10	22.37	22.59	22.63	0.04	0.44
ECO1_D_20	21.26	21.43	22.87	1.44	14.43
ECO1_D_30	20.73	20.88	23.14	2.26	22.57
ECO1_D_40	20.36	20.50	23.47	2.97	29.73
ECO1_D_50	20.11	20.23	23.87	3.64	36.40
ECO1_E_10	19.45	19.54	30.45	10.91	109.13
ECO1_E_20	19.52	19.62	27.97	8.35	83.52

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_E_30	19.60	19.70	26.43	6.72	67.24
ECO1_E_40	19.71	19.81	25.43	5.61	56.14
ECO1_E_50	19.81	19.92	24.75	4.83	48.29
ECO1_F_10	19.32	19.41	29.79	10.38	103.82
ECO1_F_20	19.28	19.36	27.45	8.08	80.82
ECO1_F_30	19.24	19.33	25.97	6.64	66.42
ECO1_F_40	19.21	19.29	25.00	5.72	57.15
ECO1_F_50	19.19	19.26	24.30	5.04	50.44
ECO1_F_75	19.14	19.20	23.15	3.94	39.43
ECO1_F_100	19.11	19.17	22.43	3.26	32.60
ECO1_F_150	19.09	19.15	21.59	2.44	24.38
ECO1_F_200	19.12	19.18	21.13	1.95	19.51
ECO1_G_10	46.14	47.12	49.43	2.31	23.12
ECO1_G_20	40.29	41.04	43.02	1.98	19.85
ECO1_G_30	36.75	37.37	39.15	1.78	17.76
ECO1_G_40	34.29	34.82	36.45	1.63	16.27
ECO1_G_50	32.44	32.91	34.42	1.51	15.11
ECO1_G_75	29.25	29.60	30.91	1.31	13.07
ECO1_G_100	27.16	27.44	28.61	1.17	11.71
ECO1_G_150	24.53	24.72	25.73	1.01	10.09
ECO1_G_200	22.87	23.00	23.93	0.92	9.25
ECO1_H_10	57.84	58.80	61.89	3.09	30.92
ECO1_H_20	49.86	50.64	53.23	2.59	25.88
ECO1_H_30	45.24	45.92	48.22	2.30	22.99
ECO1_H_40	42.34	42.96	45.08	2.12	21.18
ECO1_H_50	39.90	40.47	42.43	1.96	19.60
ECO1_H_75	35.83	36.31	38.00	1.70	16.96
ECO1_H_100	32.97	33.38	34.88	1.50	14.99
ECO1_H_150	29.29	29.60	30.82	1.22	12.22
ECO1_H_200	26.79	27.02	28.04	1.02	10.21
ECO2_A_15	44.04	44.93	47.21	2.27	45.47
ECO2_A_25	39.06	39.75	41.74	1.99	39.72
ECO2_A_35	35.94	36.51	38.31	1.80	36.03
ECO2_A_45	33.72	34.22	35.88	1.67	33.32
ECO2_A_55	32.03	32.47	34.03	1.56	31.27
ECO2_A_80	29.04	29.39	30.77	1.38	27.62

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO2_A_105	27.04	27.31	28.57	1.26	25.11
ECO2_A_155	24.44	24.63	25.73	1.09	21.89
ECO3_A	32.66	32.40	35.86	3.46	34.60
ECO3_B_	32.84	32.58	35.56	2.98	29.76
ECO3_C_	33.29	33.04	35.33	2.29	22.88
ECO4_A_10	40.02	39.84	40.20	0.36	3.57
ECO4_A_20	39.66	39.50	40.03	0.53	5.29
ECO4_A_30	39.53	39.37	39.99	0.62	6.24
ECO4_A_40	39.47	39.32	40.01	0.69	6.92
ECO4_A_50	39.48	39.33	40.07	0.74	7.44
ECO4_A_75	39.62	39.48	40.31	0.83	8.31
ECO4_A_100	39.84	39.70	40.60	0.90	8.99
ECO5_A_125	18.74	19.36	19.52	0.17	1.67
ECO5_A_150	18.40	18.90	19.05	0.15	1.48
ECO5_A_200	17.76	18.09	18.20	0.11	1.15
ECO6_A_10	36.54	36.33	37.19	0.86	8.57
ECO6_A_20	34.63	34.41	35.09	0.68	6.77
ECO6_A_30	33.55	33.33	33.91	0.58	5.77
ECO6_A_40	32.82	32.61	33.12	0.51	5.08
ECO6_A_50	32.25	32.04	32.50	0.46	4.55
ECO6_A_75	31.36	31.15	31.52	0.37	3.69
ECO6_A_100	30.79	30.57	30.88	0.31	3.07
ECO6_A_150	30.08	29.85	30.08	0.23	2.27
ECO6_A_200	29.66	29.43	29.60	0.17	1.73
ECO7_A_150	16.43	16.37	16.54	0.17	1.71
ECO7_A_200	16.19	16.11	16.24	0.13	1.34
ECO8_A_10	69.87	66.47	66.78	0.31	3.15
ECO8_A_20	61.85	58.80	59.08	0.28	2.82
ECO8_A_30	57.12	54.33	54.59	0.26	2.56
ECO8_A_40	53.77	51.20	51.44	0.23	2.33
ECO8_A_50	51.03	48.65	48.87	0.21	2.12
ECO8_A_75	46.44	44.41	44.58	0.18	1.78
ECO8_B_10	70.33	66.52	66.91	0.39	3.89
ECO8_B_20	63.72	60.34	60.68	0.33	3.33
ECO8_B_30	58.93	55.89	56.18	0.30	2.96
ECO8_B_40	55.71	52.90	53.17	0.27	2.69

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO8_B_50	53.17	50.55	50.80	0.25	2.49
ECO8_B_75	48.46	46.20	46.41	0.21	2.11
ECO8_B_100	45.11	43.12	43.30	0.18	1.80
ECO9_A_15	51.41	50.51	51.37	0.86	8.57
ECO9_A_25	47.76	46.91	47.65	0.74	7.40
ECO9_A_35	45.29	44.49	45.15	0.66	6.59
ECO9_A_45	43.43	42.67	43.27	0.60	5.97
ECO9_A_55	41.96	41.24	41.79	0.55	5.46
ECO9_A_80	39.31	38.66	39.11	0.45	4.48
ECO9_A_105	37.49	36.88	37.26	0.38	3.76
ECO9_A_155	35.09	34.54	34.82	0.28	2.80
ECO9_A_205	33.58	33.07	33.29	0.21	2.15
ECO9_B_10	64.15	63.13	64.46	1.34	13.36
ECO9_B_20	57.60	56.55	57.64	1.10	10.96
ECO9_B_30	53.63	52.61	53.57	0.96	9.58
ECO9_B_40	50.82	49.84	50.71	0.87	8.65
ECO10_A_30	39.27	39.87	39.78	-0.09	-0.93
ECO10_A_40	38.29	38.79	38.78	-0.01	-0.08
ECO10_A_50	37.60	38.03	38.08	0.05	0.51
ECO10_A_60	37.13	37.51	37.60	0.09	0.86
ECO10_A_70	36.71	37.04	37.16	0.12	1.20
ECO10_A_95	36.01	36.26	36.44	0.18	1.78
ECO10_A_120	35.54	35.73	35.94	0.22	2.15
ECO10_A_170	34.89	35.00	35.26	0.26	2.65
ECO11_A_15	71.77	72.52	75.71	3.18	31.85
ECO11_A_25	64.90	65.49	68.28	2.80	27.98
ECO11_A_35	59.93	60.42	62.92	2.50	25.03
ECO11_A_45	56.40	56.82	59.10	2.29	22.88
ECO11_A_55	53.89	54.25	56.38	2.13	21.33
ECO11_A_80	49.20	49.46	51.29	1.83	18.32
ECO11_A_105	45.95	46.13	47.75	1.62	16.17
ECO11_A_155	41.91	42.00	43.35	1.35	13.51
ECO11_A_205	39.39	39.41	40.60	1.19	11.89
ECO12_A_10	37.49	38.01	37.88	-0.13	-1.32
ECO12_A_20	36.33	36.71	36.69	-0.02	-0.23
ECO12_A_30	35.66	35.97	36.01	0.04	0.41

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO12_A_40	35.21	35.47	35.55	0.08	0.82
ECO12_A_50	34.88	35.11	35.22	0.11	1.13
ECO12_A_75	34.34	34.49	34.66	0.17	1.68
ECO12_A_100	33.99	34.09	34.30	0.21	2.08
ECO12_A_150	33.60	33.64	33.89	0.26	2.56
ECO12_A_200	33.38	33.38	33.67	0.29	2.86
ECO13_A_125	44.47	43.60	44.23	0.63	6.35
ECO13_A_150	42.64	41.79	42.35	0.56	5.59
ECO13_A_200	39.81	39.02	39.47	0.44	4.43
ECO14_A_50	55.22	52.40	52.61	0.21	2.10
ECO14_A_75	49.74	47.33	47.50	0.17	1.72
ECO15_A_20	79.42	78.47	81.50	3.03	30.27
ECO15_A_30	73.96	72.81	75.47	2.67	26.67
ECO15_A_40	69.62	68.35	70.74	2.38	23.82
ECO15_A_50	66.26	64.93	67.10	2.16	21.63
ECO15_A_75	60.18	58.79	60.54	1.74	17.45
ECO15_A_100	56.01	54.61	56.06	1.45	14.45
ECO16_A_30	29.52	29.23	29.86	0.62	6.21
ECO16_A_40	27.64	27.34	27.89	0.55	5.51
ECO16_A_50	26.26	25.96	26.46	0.50	4.99
ECO16_A_75	23.93	23.64	24.05	0.41	4.06
ECO16_A_100	22.42	22.14	22.49	0.34	3.42
ECO16_A_150	20.46	20.19	20.45	0.25	2.54
ECO16_A_200	19.24	18.99	19.19	0.20	1.97
ECO17_A_10	16.66	30.64	30.68	0.05	0.45
ECO17_A_20	16.05	25.80	25.83	0.03	0.33
ECO17_A_30	15.73	23.35	23.38	0.03	0.28
ECO17_A_40	15.51	21.68	21.71	0.02	0.24
ECO17_A_50	15.37	20.68	20.70	0.02	0.20
ECO17_A_75	15.19	19.39	19.41	0.02	0.18
ECO17_A_100	15.05	18.37	18.38	0.02	0.15
ECO17_A_150	14.90	17.21	17.22	0.01	0.13
ECO17_A_200	14.82	16.55	16.56	0.01	0.11
ECO17_B_10	16.43	28.47	28.51	0.04	0.39
ECO17_B_20	16.00	25.12	25.15	0.03	0.31
ECO17_B_30	15.76	23.34	23.36	0.03	0.27

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO17_B_40	15.58	22.01	22.04	0.02	0.24
ECO17_B_50	15.46	21.17	21.20	0.02	0.22
ECO17_B_75	15.30	20.07	20.09	0.02	0.20
ECO17_B_100	15.16	19.10	19.12	0.02	0.16
ECO17_B_150	15.00	18.00	18.01	0.01	0.13
ECO17_B_200	14.90	17.31	17.32	0.01	0.10
ECO17_C_10	19.34	18.95	19.02	0.06	0.63
ECO17_C_20	17.93	17.69	17.73	0.05	0.47
ECO17_C_30	17.12	16.96	17.00	0.04	0.37
ECO17_C_40	16.59	16.48	16.51	0.03	0.33
ECO17_C_50	16.26	16.19	16.21	0.03	0.28
ECO17_C_75	15.86	15.83	15.85	0.02	0.22
ECO17_C_100	15.52	15.53	15.55	0.02	0.18
ECO17_C_150	15.16	15.22	15.23	0.01	0.12
ECO17_C_200	14.96	15.05	15.06	0.01	0.09

Table 4.5.36: Predicted Acid Deposition Changes due to 2034 Completion Year Traffic

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	1.36	1.35	1.39	0.04	3.61
ECO1_A_20	1.36	1.35	1.38	0.03	2.92
ECO1_A_30	1.35	1.35	1.37	0.03	2.58
ECO1_A_40	1.35	1.35	1.37	0.02	2.35
ECO1_A_50	1.35	1.35	1.37	0.02	2.20
ECO1_A_75	1.35	1.34	1.36	0.02	1.91
ECO1_A_100	1.34	1.34	1.36	0.02	1.73
ECO1_A_150	1.34	1.34	1.35	0.01	1.43
ECO1_A_200	1.34	1.33	1.35	0.01	1.25
ECO1_B_10	1.35	1.34	1.37	0.03	2.95
ECO1_B_20	1.34	1.34	1.36	0.03	2.54
ECO1_B_30	1.34	1.34	1.36	0.02	2.36
ECO1_B_40	1.34	1.34	1.36	0.02	2.24
ECO1_B_50	1.34	1.34	1.36	0.02	2.19
ECO1_B_75	1.34	1.34	1.36	0.02	2.13

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_B_100	1.34	1.34	1.37	0.02	2.17
ECO1_B_150	1.35	1.35	1.37	0.02	2.39
ECO1_B_200	1.35	1.35	1.38	0.03	2.64
ECO1_C_10	1.60	1.62	1.68	0.06	6.28
ECO1_C_20	1.54	1.55	1.67	0.12	12.49
ECO1_C_30	1.50	1.51	1.66	0.15	15.31
ECO1_C_40	1.47	1.48	1.65	0.17	17.05
ECO1_C_50	1.46	1.47	1.64	0.18	17.78
ECO1_C_75	1.43	1.44	1.63	0.19	18.84
ECO1_C_100	1.42	1.42	1.61	0.19	18.99
ECO1_C_150	1.40	1.40	1.58	0.18	18.50
ECO1_C_200	1.38	1.38	1.56	0.17	17.22
ECO1_D_10	1.66	1.68	1.68	0.00	0.31
ECO1_D_20	1.58	1.59	1.70	0.10	10.27
ECO1_D_30	1.54	1.56	1.72	0.16	16.07
ECO1_D_40	1.52	1.53	1.74	0.21	21.15
ECO1_D_50	1.50	1.51	1.77	0.26	25.90
ECO1_E_10	1.45	1.46	2.24	0.78	77.66
ECO1_E_20	1.46	1.47	2.06	0.59	59.44
ECO1_E_30	1.46	1.47	1.95	0.48	47.85
ECO1_E_40	1.47	1.48	1.88	0.40	39.95
ECO1_E_50	1.48	1.49	1.83	0.34	34.37
ECO1_F_10	1.44	1.45	2.19	0.74	73.88
ECO1_F_20	1.44	1.45	2.02	0.58	57.52
ECO1_F_30	1.44	1.44	1.92	0.47	47.27
ECO1_F_40	1.44	1.44	1.85	0.41	40.67
ECO1_F_50	1.43	1.44	1.80	0.36	35.89
ECO1_F_75	1.43	1.44	1.72	0.28	28.06
ECO1_F_100	1.43	1.43	1.67	0.23	23.20
ECO1_F_150	1.43	1.43	1.61	0.17	17.35
ECO1_F_200	1.43	1.43	1.57	0.14	13.89
ECO1_G_10	3.35	3.42	3.59	0.16	16.45
ECO1_G_20	2.94	2.99	3.13	0.14	14.12
ECO1_G_30	2.69	2.73	2.86	0.13	12.64
ECO1_G_40	2.51	2.55	2.66	0.12	11.58
ECO1_G_50	2.38	2.41	2.52	0.11	10.75

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_G_75	2.15	2.18	2.27	0.09	9.30
ECO1_G_100	2.00	2.02	2.11	0.08	8.33
ECO1_G_150	1.81	1.83	1.90	0.07	7.18
ECO1_G_200	1.70	1.71	1.77	0.07	6.58
ECO1_H_10	4.18	4.25	4.47	0.22	22.00
ECO1_H_20	3.61	3.67	3.85	0.18	18.42
ECO1_H_30	3.29	3.33	3.50	0.16	16.36
ECO1_H_40	3.08	3.12	3.27	0.15	15.07
ECO1_H_50	2.91	2.95	3.09	0.14	13.95
ECO1_H_75	2.62	2.65	2.77	0.12	12.07
ECO1_H_100	2.41	2.44	2.55	0.11	10.66
ECO1_H_150	2.15	2.17	2.26	0.09	8.70
ECO1_H_200	1.97	1.99	2.06	0.07	7.27
ECO2_A_15	3.20	3.27	3.43	0.16	16.18
ECO2_A_25	2.85	2.90	3.04	0.14	14.13
ECO2_A_35	2.63	2.67	2.80	0.13	12.82
ECO2_A_45	2.47	2.50	2.62	0.12	11.86
ECO2_A_55	2.35	2.38	2.49	0.11	11.13
ECO2_A_80	2.14	2.16	2.26	0.10	9.83
ECO2_A_105	1.99	2.01	2.10	0.09	8.94
ECO2_A_155	1.81	1.82	1.90	0.08	7.79
ECO3_A	2.41	2.39	2.64	0.25	24.63
ECO3_B_	2.42	2.40	2.62	0.21	21.18
ECO3_C_	2.45	2.44	2.60	0.16	16.29
ECO4_A_10	2.95	2.94	2.97	0.03	2.54
ECO4_A_20	2.93	2.92	2.95	0.04	3.77
ECO4_A_30	2.92	2.91	2.95	0.04	4.44
ECO4_A_40	2.92	2.90	2.95	0.05	4.92
ECO4_A_50	2.92	2.91	2.96	0.05	5.30
ECO4_A_75	2.93	2.92	2.97	0.06	5.91
ECO4_A_100	2.94	2.93	3.00	0.06	6.40
ECO5_A_125	1.38	1.42	1.43	0.01	1.19
ECO5_A_150	1.35	1.39	1.40	0.01	1.05
ECO5_A_200	1.31	1.33	1.34	0.01	0.82
ECO6_A_10	2.67	2.66	2.72	0.06	6.10
ECO6_A_20	2.54	2.52	2.57	0.05	4.82

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO6_A_30	2.46	2.44	2.48	0.04	4.11
ECO6_A_40	2.41	2.39	2.43	0.04	3.61
ECO6_A_50	2.37	2.35	2.38	0.03	3.24
ECO6_A_75	2.30	2.29	2.31	0.03	2.63
ECO6_A_100	2.26	2.25	2.27	0.02	2.19
ECO6_A_150	2.21	2.20	2.21	0.02	1.62
ECO6_A_200	2.18	2.17	2.18	0.01	1.23
ECO7_A_150	1.21	1.20	1.21	0.01	1.22
ECO7_A_200	1.19	1.18	1.19	0.01	0.95
ECO8_A_10	5.04	4.80	4.82	0.02	2.24
ECO8_A_20	4.47	4.25	4.27	0.02	2.01
ECO8_A_30	4.14	3.94	3.95	0.02	1.82
ECO8_A_40	3.90	3.71	3.73	0.02	1.66
ECO8_A_50	3.70	3.53	3.55	0.02	1.51
ECO8_A_75	3.38	3.23	3.24	0.01	1.27
ECO8_B_10	5.08	4.80	4.83	0.03	2.77
ECO8_B_20	4.61	4.36	4.39	0.02	2.37
ECO8_B_30	4.26	4.05	4.07	0.02	2.11
ECO8_B_40	4.04	3.83	3.85	0.02	1.92
ECO8_B_50	3.85	3.67	3.69	0.02	1.78
ECO8_B_75	3.52	3.36	3.37	0.01	1.50
ECO8_B_100	3.28	3.14	3.15	0.01	1.28
ECO9_A_15	3.73	3.66	3.73	0.06	6.10
ECO9_A_25	3.47	3.41	3.46	0.05	5.26
ECO9_A_35	3.29	3.24	3.28	0.05	4.69
ECO9_A_45	3.16	3.11	3.15	0.04	4.25
ECO9_A_55	3.06	3.00	3.04	0.04	3.88
ECO9_A_80	2.87	2.82	2.85	0.03	3.19
ECO9_A_105	2.74	2.69	2.72	0.03	2.67
ECO9_A_155	2.57	2.53	2.55	0.02	1.99
ECO9_A_205	2.46	2.42	2.44	0.02	1.53
ECO9_B_10	4.64	4.56	4.66	0.10	9.51
ECO9_B_20	4.17	4.09	4.17	0.08	7.80
ECO9_B_30	3.89	3.81	3.88	0.07	6.82
ECO9_B_40	3.69	3.62	3.68	0.06	6.16
ECO10_A_30	2.91	2.95	2.94	-0.01	-0.66

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO10_A_40	2.84	2.87	2.87	0.00	-0.05
ECO10_A_50	2.79	2.82	2.82	0.00	0.37
ECO10_A_60	2.75	2.78	2.79	0.01	0.61
ECO10_A_70	2.72	2.75	2.76	0.01	0.86
ECO10_A_95	2.67	2.69	2.70	0.01	1.27
ECO10_A_120	2.64	2.65	2.67	0.02	1.53
ECO10_A_170	2.59	2.60	2.62	0.02	1.88
ECO11_A_15	5.20	5.25	5.48	0.23	22.66
ECO11_A_25	4.71	4.75	4.95	0.20	19.91
ECO11_A_35	4.36	4.39	4.57	0.18	17.81
ECO11_A_45	4.11	4.14	4.30	0.16	16.28
ECO11_A_55	3.93	3.95	4.10	0.15	15.18
ECO11_A_80	3.59	3.61	3.74	0.13	13.04
ECO11_A_105	3.36	3.38	3.49	0.12	11.51
ECO11_A_155	3.08	3.08	3.18	0.10	9.61
ECO11_A_205	2.90	2.90	2.98	0.08	8.46
ECO12_A_10	2.77	2.81	2.80	-0.01	-0.94
ECO12_A_20	2.69	2.72	2.72	0.00	-0.17
ECO12_A_30	2.64	2.67	2.67	0.00	0.29
ECO12_A_40	2.61	2.63	2.64	0.01	0.59
ECO12_A_50	2.59	2.60	2.61	0.01	0.81
ECO12_A_75	2.55	2.56	2.57	0.01	1.19
ECO12_A_100	2.53	2.53	2.55	0.01	1.48
ECO12_A_150	2.50	2.50	2.52	0.02	1.82
ECO12_A_200	2.48	2.48	2.50	0.02	2.03
ECO13_A_125	3.24	3.18	3.22	0.05	4.52
ECO13_A_150	3.11	3.05	3.09	0.04	3.98
ECO13_A_200	2.91	2.85	2.88	0.03	3.15
ECO14_A_50	4.00	3.80	3.82	0.01	1.50
ECO14_A_75	3.61	3.44	3.45	0.01	1.22
ECO15_A_20	5.73	5.66	5.88	0.22	21.54
ECO15_A_30	5.34	5.26	5.45	0.19	18.98
ECO15_A_40	5.03	4.94	5.11	0.17	16.96
ECO15_A_50	4.80	4.70	4.85	0.15	15.39
ECO15_A_75	4.36	4.26	4.39	0.12	12.42
ECO15_A_100	4.07	3.97	4.07	0.10	10.29

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO16_A_30	2.14	2.12	2.17	0.04	4.42
ECO16_A_40	2.01	1.99	2.03	0.04	3.92
ECO16_A_50	1.91	1.89	1.92	0.04	3.55
ECO16_A_75	1.74	1.72	1.75	0.03	2.89
ECO16_A_100	1.64	1.62	1.64	0.02	2.43
ECO16_A_150	1.50	1.48	1.50	0.02	1.81
ECO16_A_200	1.41	1.39	1.41	0.01	1.40
ECO17_A_10	1.20	2.19	2.19	0.00	0.32
ECO17_A_20	1.15	1.85	1.85	0.00	0.24
ECO17_A_30	1.13	1.67	1.67	0.00	0.20
ECO17_A_40	1.11	1.55	1.56	0.00	0.17
ECO17_A_50	1.10	1.48	1.48	0.00	0.15
ECO17_A_75	1.09	1.39	1.39	0.00	0.13
ECO17_A_100	1.08	1.32	1.32	0.00	0.11
ECO17_A_150	1.07	1.24	1.24	0.00	0.09
ECO17_A_200	1.07	1.19	1.19	0.00	0.08
ECO17_B_10	1.27	2.13	2.13	0.00	0.28
ECO17_B_20	1.24	1.89	1.89	0.00	0.22
ECO17_B_30	1.23	1.76	1.77	0.00	0.19
ECO17_B_40	1.21	1.67	1.67	0.00	0.17
ECO17_B_50	1.20	1.61	1.61	0.00	0.16
ECO17_B_75	1.19	1.53	1.53	0.00	0.14
ECO17_B_100	1.18	1.46	1.46	0.00	0.11
ECO17_B_150	1.17	1.38	1.39	0.00	0.09
ECO17_B_200	1.16	1.34	1.34	0.00	0.07
ECO17_C_10	1.39	1.36	1.36	0.00	0.45
ECO17_C_20	1.29	1.27	1.27	0.00	0.34
ECO17_C_30	1.23	1.22	1.22	0.00	0.27
ECO17_C_40	1.19	1.18	1.19	0.00	0.23
ECO17_C_50	1.17	1.16	1.16	0.00	0.20
ECO17_C_75	1.14	1.14	1.14	0.00	0.16
ECO17_C_100	1.12	1.12	1.12	0.00	0.13
ECO17_C_150	1.09	1.09	1.09	0.00	0.09
ECO17_C_200	1.08	1.08	1.08	0.00	0.07

2034 Baseline vs 2034 Completion Year, including Tritax Application (Sensitivity Test)

Table 4.5.37: Predicted NO_x Concentration Changes due to 2034 Completion Year Traffic, including Tritax Application

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	9.3	6.1	6.4	0.3	1.02
ECO1_A_20	9.2	6.1	6.3	0.3	0.87
ECO1_A_30	9.1	6.0	6.3	0.2	0.80
ECO1_A_40	9.1	6.0	6.3	0.2	0.74
ECO1_A_50	9.0	6.0	6.2	0.2	0.71
ECO1_A_75	9.0	6.0	6.2	0.2	0.64
ECO1_A_100	8.9	6.0	6.2	0.2	0.59
ECO1_A_150	8.8	6.0	6.1	0.2	0.51
ECO1_A_200	8.8	5.9	6.1	0.1	0.46
ECO1_B_10	9.2	6.1	6.3	0.3	0.88
ECO1_B_20	9.1	6.0	6.3	0.2	0.80
ECO1_B_30	9.1	6.0	6.3	0.2	0.77
ECO1_B_40	9.8	6.4	6.6	0.2	0.75
ECO1_B_50	9.8	6.4	6.6	0.2	0.74
ECO1_B_75	9.8	6.4	6.7	0.2	0.75
ECO1_B_100	9.8	6.5	6.7	0.2	0.78
ECO1_B_150	10.0	6.5	6.8	0.3	0.90
ECO1_B_200	10.0	6.5	6.8	0.3	1.02
ECO1_C_10	23.2	14.4	15.8	1.4	4.80
ECO1_C_20	21.7	13.7	15.7	2.0	6.59
ECO1_C_30	20.9	13.4	15.6	2.2	7.38
ECO1_C_40	20.4	13.2	15.5	2.4	7.85
ECO1_C_50	20.0	13.0	15.4	2.4	8.02
ECO1_C_75	19.4	12.8	15.2	2.5	8.26
ECO1_C_100	19.1	12.6	15.1	2.5	8.23
ECO1_C_150	12.1	7.7	10.1	2.4	7.96
ECO1_C_200	11.8	7.6	9.8	2.2	7.44
ECO1_D_10	24.7	15.0	15.9	0.9	2.92
ECO1_D_20	23.0	14.2	16.0	1.8	6.01
ECO1_D_30	22.1	13.9	16.3	2.4	7.88
ECO1_D_40	21.6	13.7	16.5	2.9	9.57
ECO1_D_50	21.2	13.5	16.8	3.4	11.20

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_E_10	20.1	13.0	21.9	8.9	29.50
ECO1_E_20	20.2	13.1	20.0	7.0	23.21
ECO1_E_30	20.4	13.1	18.9	5.7	19.05
ECO1_E_40	20.5	13.2	18.1	4.9	16.21
ECO1_E_50	20.7	13.3	17.5	4.3	14.17
ECO1_F_10	19.9	12.9	21.5	8.6	28.50
ECO1_F_20	19.9	12.9	19.6	6.7	22.19
ECO1_F_30	19.8	12.9	18.4	5.5	18.21
ECO1_F_40	19.8	12.9	17.6	4.7	15.61
ECO1_F_50	19.7	12.8	17.0	4.1	13.72
ECO1_F_75	19.6	12.8	16.0	3.2	10.64
ECO1_F_100	19.6	12.8	15.4	2.6	8.73
ECO1_F_150	19.6	12.8	14.7	1.9	6.43
ECO1_F_200	19.6	12.8	14.3	1.5	5.08
ECO1_G_10	60.9	26.2	27.6	1.5	4.89
ECO1_G_20	51.6	23.0	24.3	1.3	4.28
ECO1_G_30	46.0	21.1	22.3	1.2	3.87
ECO1_G_40	42.1	19.8	20.9	1.1	3.57
ECO1_G_50	39.1	18.8	19.8	1.0	3.34
ECO1_G_75	34.1	17.0	17.9	0.9	2.92
ECO1_G_100	32.2	17.2	18.0	0.8	2.64
ECO1_G_150	28.1	15.7	16.4	0.7	2.32
ECO1_G_200	25.5	14.8	15.4	0.6	2.16
ECO1_H_10	81.1	33.7	35.9	2.1	7.11
ECO1_H_20	63.4	25.8	27.6	1.8	5.87
ECO1_H_30	55.8	23.2	24.7	1.6	5.18
ECO1_H_40	51.1	21.5	22.9	1.4	4.76
ECO1_H_50	47.2	20.1	21.4	1.3	4.40
ECO1_H_75	40.7	17.8	18.9	1.1	3.80
ECO1_H_100	36.1	16.2	17.2	1.0	3.35
ECO1_H_150	30.2	14.1	14.9	0.8	2.74
ECO1_H_200	26.2	12.7	13.4	0.7	2.29
ECO2_A_15	59.0	26.3	27.8	1.5	4.90
ECO2_A_25	51.1	23.7	25.0	1.3	4.36
ECO2_A_35	46.1	22.0	23.2	1.2	3.99
ECO2_A_45	42.6	20.8	21.9	1.1	3.72

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO2_A_55	39.9	19.8	20.9	1.1	3.51
ECO2_A_80	35.2	18.2	19.1	0.9	3.14
ECO2_A_105	32.0	17.1	18.0	0.9	2.88
ECO2_A_155	28.0	15.7	16.4	0.8	2.55
ECO3_A	14.2	8.1	10.8	2.8	9.22
ECO3_B_	14.5	8.2	10.5	2.4	7.85
ECO3_C_	15.3	8.4	10.2	1.8	5.92
ECO4_A_10	20.0	11.2	11.5	0.3	0.98
ECO4_A_20	19.7	11.1	11.4	0.3	1.13
ECO4_A_30	19.6	11.1	11.4	0.4	1.21
ECO4_A_40	19.5	11.1	11.4	0.4	1.27
ECO4_A_50	19.5	11.1	11.5	0.4	1.31
ECO4_A_75	19.7	11.1	11.6	0.4	1.40
ECO4_A_100	20.0	11.2	11.7	0.4	1.47
ECO5_A_125	20.2	10.9	11.3	0.4	1.18
ECO5_A_150	19.3	10.5	10.8	0.3	1.05
ECO5_A_200	17.6	9.7	10.0	0.2	0.81
ECO6_A_10	22.6	10.9	12.0	1.0	3.49
ECO6_A_20	19.5	9.8	10.6	0.8	2.73
ECO6_A_30	17.7	9.2	9.9	0.7	2.31
ECO6_A_40	16.5	8.7	9.3	0.6	2.03
ECO6_A_50	15.5	8.4	8.9	0.5	1.80
ECO6_A_75	14.1	7.9	8.3	0.4	1.44
ECO6_A_100	13.1	7.5	7.9	0.4	1.20
ECO6_A_150	12.0	7.1	7.4	0.3	0.89
ECO6_A_200	11.3	6.9	7.1	0.2	0.71
ECO7_A_150	11.9	7.0	7.3	0.3	0.99
ECO7_A_200	11.3	6.8	7.0	0.2	0.78
ECO8_A_10	91.2	36.2	36.7	0.5	1.60
ECO8_A_20	75.4	30.4	30.8	0.4	1.35
ECO8_A_30	66.2	27.0	27.4	0.4	1.18
ECO8_A_40	59.7	24.7	25.0	0.3	1.06
ECO8_A_50	54.5	22.8	23.0	0.3	0.96
ECO8_A_75	45.9	19.6	19.8	0.2	0.78
ECO8_B_10	92.1	36.4	36.9	0.5	1.78
ECO8_B_20	79.0	31.7	32.1	0.5	1.51

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO8_B_30	69.7	28.3	28.7	0.4	1.32
ECO8_B_40	63.5	26.0	26.4	0.4	1.19
ECO8_B_50	58.6	24.2	24.5	0.3	1.09
ECO8_B_75	49.7	20.9	21.2	0.3	0.89
ECO8_B_100	43.4	18.6	18.8	0.2	0.75
ECO9_A_15	52.8	20.2	20.7	0.5	1.63
ECO9_A_25	45.9	18.0	18.4	0.4	1.43
ECO9_A_35	41.3	16.5	16.9	0.4	1.28
ECO9_A_45	37.8	15.4	15.8	0.3	1.17
ECO9_A_55	35.1	14.6	14.9	0.3	1.07
ECO9_A_80	30.2	13.0	13.3	0.3	0.89
ECO9_A_105	26.9	11.9	12.2	0.2	0.75
ECO9_A_155	22.0	10.4	10.5	0.2	0.56
ECO9_A_205	19.2	9.5	9.6	0.1	0.43
ECO9_B_10	77.3	27.8	28.6	0.7	2.48
ECO9_B_20	64.6	23.8	24.5	0.6	2.05
ECO9_B_30	56.9	21.4	22.0	0.5	1.81
ECO9_B_40	51.6	19.8	20.3	0.5	1.65
ECO10_A_30	17.4	10.0	10.3	0.3	0.85
ECO10_A_40	16.4	9.6	9.9	0.2	0.83
ECO10_A_50	15.7	9.3	9.5	0.2	0.81
ECO10_A_60	15.3	9.1	9.3	0.2	0.80
ECO10_A_70	14.9	8.9	9.2	0.2	0.79
ECO10_A_95	14.2	8.6	8.8	0.2	0.77
ECO10_A_120	13.7	8.4	8.6	0.2	0.75
ECO10_A_170	13.1	8.1	8.3	0.2	0.73
ECO11_A_15	53.8	21.5	22.8	1.2	4.16
ECO11_A_25	46.7	19.2	20.3	1.1	3.68
ECO11_A_35	41.6	17.4	18.4	1.0	3.31
ECO11_A_45	38.0	16.2	17.1	0.9	3.03
ECO11_A_55	35.5	15.3	16.2	0.9	2.84
ECO11_A_80	30.7	13.7	14.4	0.7	2.45
ECO11_A_105	27.4	12.6	13.2	0.7	2.18
ECO11_A_155	23.4	11.1	11.7	0.6	1.84
ECO11_A_205	20.8	10.3	10.8	0.5	1.64
ECO12_A_10	15.9	9.4	9.5	0.2	0.63

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO12_A_20	14.7	8.8	9.0	0.2	0.61
ECO12_A_30	14.1	8.5	8.7	0.2	0.60
ECO12_A_40	13.6	8.4	8.5	0.2	0.59
ECO12_A_50	13.3	8.2	8.4	0.2	0.58
ECO12_A_75	12.7	8.0	8.1	0.2	0.58
ECO12_A_100	12.4	7.8	8.0	0.2	0.58
ECO12_A_150	12.0	7.6	7.8	0.2	0.58
ECO12_A_200	11.8	7.5	7.7	0.2	0.58
ECO13_A_125	39.5	15.9	16.3	0.4	1.24
ECO13_A_150	36.1	14.8	15.2	0.3	1.10
ECO13_A_200	30.9	13.2	13.4	0.3	0.87
ECO14_A_50	63.6	26.2	26.5	0.3	1.04
ECO14_A_75	53.2	22.3	22.6	0.3	0.84
ECO15_A_20	111.8	44.9	47.3	2.4	8.05
ECO15_A_30	101.0	40.7	42.8	2.1	7.13
ECO15_A_40	92.5	37.4	39.3	1.9	6.40
ECO15_A_50	85.9	34.8	36.6	1.8	5.83
ECO15_A_75	74.0	30.3	31.7	1.4	4.77
ECO15_A_100	65.9	27.1	28.3	1.2	3.99
ECO16_A_30	54.7	20.4	21.0	0.5	1.81
ECO16_A_40	49.1	18.7	19.1	0.5	1.62
ECO16_A_50	45.0	17.4	17.8	0.4	1.48
ECO16_A_75	38.1	15.2	15.6	0.4	1.22
ECO16_A_100	33.7	13.8	14.2	0.3	1.04
ECO16_A_150	27.9	12.0	12.3	0.2	0.79
ECO16_A_200	24.4	10.9	11.1	0.2	0.62
ECO17_A_10	46.6	21.2	21.3	0.1	0.19
ECO17_A_20	36.5	17.6	17.7	0.0	0.14
ECO17_A_30	31.4	15.8	15.8	0.0	0.12
ECO17_A_40	28.0	14.5	14.6	0.0	0.10
ECO17_A_50	25.9	13.8	13.8	0.0	0.09
ECO17_A_75	23.2	12.8	12.8	0.0	0.08
ECO17_A_100	21.1	12.0	12.1	0.0	0.07
ECO17_A_150	18.7	11.2	11.2	0.0	0.06
ECO17_A_200	17.4	10.7	10.7	0.0	0.05
ECO17_B_10	42.7	20.3	20.4	0.0	0.16

Receptor ID	Annual Mean NO_x Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO17_B_20	35.8	17.8	17.9	0.0	0.13
ECO17_B_30	32.1	16.5	16.5	0.0	0.11
ECO17_B_40	29.3	15.5	15.5	0.0	0.10
ECO17_B_50	27.6	14.9	14.9	0.0	0.09
ECO17_B_75	25.3	14.0	14.1	0.0	0.08
ECO17_B_100	23.3	13.3	13.3	0.0	0.07
ECO17_B_150	21.1	12.5	12.5	0.0	0.06
ECO17_B_200	19.7	12.0	12.0	0.0	0.05
ECO17_C_10	20.7	11.5	11.6	0.1	0.28
ECO17_C_20	18.1	10.6	10.7	0.1	0.21
ECO17_C_30	16.5	10.1	10.1	0.0	0.17
ECO17_C_40	15.5	9.8	9.8	0.0	0.14
ECO17_C_50	14.9	9.6	9.6	0.0	0.12
ECO17_C_75	14.2	9.3	9.3	0.0	0.10
ECO17_C_100	13.6	9.1	9.1	0.0	0.08
ECO17_C_150	12.9	8.9	8.9	0.0	0.06
ECO17_C_200	12.5	8.7	8.8	0.0	0.05

Table 4.5.38: Predicted NH_3 Concentration Changes due to 2034 Completion Year Traffic, including Tritax Application

Receptor ID	Annual Mean NH_3 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
Receptor	2024 Base	2034 Base	2034 Tritax	With-Without	% of CL
ECO1_A_10	1.79	1.80	1.90	0.10	3.39
ECO1_A_20	1.77	1.79	1.88	0.08	2.74
ECO1_A_30	1.77	1.79	1.86	0.07	2.43
ECO1_A_40	1.76	1.78	1.85	0.07	2.22
ECO1_A_50	1.76	1.78	1.84	0.06	2.08
ECO1_A_75	1.75	1.77	1.83	0.05	1.82
ECO1_A_100	1.75	1.77	1.82	0.05	1.64
ECO1_A_150	1.74	1.76	1.80	0.04	1.37
ECO1_A_200	1.73	1.75	1.79	0.04	1.19
ECO1_B_10	1.77	1.79	1.88	0.08	2.78
ECO1_B_20	1.77	1.79	1.86	0.07	2.40
ECO1_B_30	1.77	1.79	1.86	0.07	2.22
ECO1_B_40	1.77	1.79	1.85	0.06	2.12

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_B_50	1.77	1.79	1.85	0.06	2.06
ECO1_B_75	1.77	1.79	1.85	0.06	2.01
ECO1_B_100	1.77	1.80	1.86	0.06	2.04
ECO1_B_150	1.78	1.82	1.88	0.07	2.23
ECO1_B_200	1.80	1.83	1.90	0.07	2.45
ECO1_C_10	2.50	2.62	2.78	0.16	5.45
ECO1_C_20	2.33	2.43	2.76	0.32	10.77
ECO1_C_30	2.25	2.34	2.73	0.40	13.19
ECO1_C_40	2.18	2.27	2.71	0.44	14.66
ECO1_C_50	2.15	2.23	2.68	0.46	15.27
ECO1_C_75	2.08	2.15	2.64	0.49	16.17
ECO1_C_100	2.04	2.11	2.60	0.49	16.28
ECO1_C_150	2.00	2.05	2.53	0.48	15.84
ECO1_C_200	1.97	2.02	2.46	0.44	14.74
ECO1_D_10	2.68	2.82	2.83	0.01	0.38
ECO1_D_20	2.49	2.60	2.87	0.27	8.96
ECO1_D_30	2.40	2.50	2.92	0.42	13.96
ECO1_D_40	2.34	2.43	2.98	0.55	18.34
ECO1_D_50	2.29	2.38	3.06	0.67	22.45
ECO1_E_10	2.18	2.26	4.27	2.02	67.21
ECO1_E_20	2.19	2.27	3.81	1.54	51.42
ECO1_E_30	2.21	2.29	3.53	1.24	41.41
ECO1_E_40	2.22	2.31	3.35	1.04	34.58
ECO1_E_50	2.24	2.33	3.22	0.89	29.75
ECO1_F_10	2.16	2.23	4.15	1.92	63.97
ECO1_F_20	2.15	2.23	3.72	1.50	49.84
ECO1_F_30	2.15	2.22	3.45	1.23	41.01
ECO1_F_40	2.14	2.21	3.27	1.06	35.33
ECO1_F_50	2.14	2.21	3.14	0.94	31.21
ECO1_F_75	2.13	2.20	2.93	0.73	24.47
ECO1_F_100	2.12	2.19	2.80	0.61	20.29
ECO1_F_150	2.12	2.19	2.64	0.46	15.25
ECO1_F_200	2.12	2.19	2.56	0.37	12.27
ECO1_G_10	6.81	7.37	7.84	0.47	15.75
ECO1_G_20	5.78	6.24	6.64	0.40	13.47
ECO1_G_30	5.16	5.56	5.92	0.36	12.04

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_G_40	4.74	5.09	5.42	0.33	11.00
ECO1_G_50	4.42	4.73	5.04	0.31	10.20
ECO1_G_75	3.86	4.12	4.38	0.26	8.79
ECO1_G_100	3.50	3.72	3.95	0.24	7.85
ECO1_G_150	3.05	3.22	3.42	0.20	6.73
ECO1_G_200	2.77	2.90	3.08	0.18	6.13
ECO1_H_10	9.01	9.66	10.28	0.62	20.75
ECO1_H_20	7.60	8.15	8.67	0.52	17.40
ECO1_H_30	6.78	7.28	7.74	0.46	15.47
ECO1_H_40	6.28	6.73	7.16	0.43	14.26
ECO1_H_50	5.85	6.27	6.66	0.40	13.21
ECO1_H_75	5.14	5.50	5.84	0.34	11.43
ECO1_H_100	4.64	4.96	5.26	0.30	10.10
ECO1_H_150	4.01	4.26	4.51	0.25	8.24
ECO1_H_200	3.57	3.78	3.99	0.21	6.90
ECO2_A_15	6.44	6.96	7.42	0.46	15.42
ECO2_A_25	5.57	6.00	6.40	0.40	13.43
ECO2_A_35	5.02	5.40	5.76	0.36	12.14
ECO2_A_45	4.64	4.97	5.31	0.34	11.21
ECO2_A_55	4.34	4.65	4.97	0.32	10.50
ECO2_A_80	3.83	4.08	4.36	0.28	9.24
ECO2_A_105	3.48	3.70	3.95	0.25	8.37
ECO2_A_155	3.04	3.20	3.42	0.22	7.25
ECO3_A	2.06	2.12	2.55	0.44	43.59
ECO3_B_	2.07	2.14	2.51	0.37	37.33
ECO3_C_	2.12	2.19	2.48	0.28	28.24
ECO4_A_10	2.77	2.89	2.96	0.07	6.80
ECO4_A_20	2.73	2.84	2.93	0.08	8.50
ECO4_A_30	2.71	2.83	2.92	0.09	9.46
ECO4_A_40	2.71	2.82	2.92	0.10	10.16
ECO4_A_50	2.71	2.82	2.93	0.11	10.66
ECO4_A_75	2.72	2.84	2.96	0.12	11.63
ECO4_A_100	2.75	2.87	2.99	0.12	12.36
ECO5_A_125	2.16	2.38	2.40	0.03	0.94
ECO5_A_150	2.10	2.29	2.32	0.03	0.84
ECO5_A_200	2.00	2.15	2.17	0.02	0.65

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO6_A_10	2.34	2.50	2.60	0.09	9.12
ECO6_A_20	2.15	2.28	2.35	0.07	7.21
ECO6_A_30	2.04	2.15	2.21	0.06	6.15
ECO6_A_40	1.97	2.07	2.12	0.05	5.45
ECO6_A_50	1.91	2.00	2.05	0.05	4.89
ECO6_A_75	1.82	1.90	1.94	0.04	3.97
ECO6_A_100	1.77	1.83	1.86	0.03	3.32
ECO6_A_150	1.70	1.74	1.77	0.02	2.48
ECO6_A_200	1.66	1.69	1.71	0.02	1.97
ECO7_A_150	1.81	1.85	1.88	0.03	1.01
ECO7_A_200	1.77	1.81	1.83	0.02	0.80
ECO8_A_10	5.80	6.04	6.06	0.02	1.54
ECO8_A_20	4.95	5.15	5.17	0.02	1.64
ECO8_A_30	4.45	4.63	4.65	0.02	1.62
ECO8_A_40	4.11	4.27	4.29	0.02	1.57
ECO8_A_50	3.83	3.98	3.99	0.02	1.51
ECO8_A_75	3.37	3.49	3.50	0.01	1.35
ECO8_B_10	5.85	6.05	6.08	0.03	2.84
ECO8_B_20	5.14	5.33	5.35	0.02	2.44
ECO8_B_30	4.64	4.81	4.84	0.02	2.20
ECO8_B_40	4.31	4.47	4.49	0.02	2.05
ECO8_B_50	4.05	4.20	4.22	0.02	1.93
ECO8_B_75	3.57	3.70	3.71	0.02	1.69
ECO8_B_100	3.23	3.34	3.36	0.02	1.51
ECO9_A_15	3.84	4.21	4.35	0.15	4.89
ECO9_A_25	3.47	3.78	3.91	0.13	4.22
ECO9_A_35	3.22	3.50	3.61	0.11	3.76
ECO9_A_45	3.04	3.29	3.39	0.10	3.40
ECO9_A_55	2.89	3.12	3.21	0.09	3.11
ECO9_A_80	2.63	2.82	2.89	0.08	2.56
ECO9_A_105	2.45	2.61	2.67	0.06	2.15
ECO9_A_155	2.22	2.33	2.38	0.05	1.59
ECO9_A_205	2.07	2.16	2.20	0.04	1.23
ECO9_B_10	5.16	5.70	5.93	0.23	7.68
ECO9_B_20	4.48	4.92	5.11	0.19	6.29
ECO9_B_30	4.07	4.45	4.62	0.16	5.49

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO9_B_40	3.78	4.13	4.28	0.15	4.95
ECO10_A_30	2.65	2.85	2.86	0.01	0.96
ECO10_A_40	2.54	2.72	2.73	0.02	1.76
ECO10_A_50	2.47	2.62	2.65	0.02	2.29
ECO10_A_60	2.41	2.56	2.59	0.03	2.65
ECO10_A_70	2.37	2.50	2.53	0.03	2.97
ECO10_A_95	2.29	2.41	2.45	0.03	3.49
ECO10_A_120	2.24	2.35	2.38	0.04	3.82
ECO10_A_170	2.17	2.26	2.30	0.04	4.23
ECO11_A_15	6.48	7.04	7.47	0.43	14.46
ECO11_A_25	5.70	6.18	6.56	0.38	12.67
ECO11_A_35	5.14	5.56	5.90	0.34	11.34
ECO11_A_45	4.74	5.12	5.43	0.31	10.35
ECO11_A_55	4.46	4.80	5.09	0.29	9.63
ECO11_A_80	3.94	4.22	4.47	0.25	8.26
ECO11_A_105	3.58	3.81	4.03	0.22	7.29
ECO11_A_155	3.13	3.31	3.49	0.18	6.06
ECO11_A_205	2.85	2.99	3.15	0.16	5.33
ECO12_A_10	2.53	2.71	2.71	0.00	0.21
ECO12_A_20	2.41	2.55	2.56	0.01	1.25
ECO12_A_30	2.33	2.46	2.48	0.02	1.85
ECO12_A_40	2.28	2.40	2.42	0.02	2.25
ECO12_A_50	2.25	2.35	2.38	0.03	2.56
ECO12_A_75	2.19	2.28	2.31	0.03	3.10
ECO12_A_100	2.15	2.23	2.27	0.03	3.47
ECO12_A_150	2.11	2.18	2.22	0.04	3.96
ECO12_A_200	2.08	2.15	2.19	0.04	4.27
ECO13_A_125	3.26	3.51	3.62	0.11	10.68
ECO13_A_150	3.08	3.30	3.39	0.09	9.41
ECO13_A_200	2.80	2.97	3.05	0.07	7.42
ECO14_A_50	4.28	4.44	4.45	0.01	1.28
ECO14_A_75	3.72	3.85	3.86	0.01	1.11
ECO15_A_20	6.77	7.40	7.80	0.41	40.88
ECO15_A_30	6.18	6.73	7.09	0.36	36.07
ECO15_A_40	5.71	6.21	6.53	0.32	32.25
ECO15_A_50	5.36	5.81	6.11	0.29	29.26

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO15_A_75	4.72	5.10	5.33	0.24	23.62
ECO15_A_100	4.28	4.61	4.81	0.20	19.56
ECO16_A_30	3.83	4.15	4.30	0.15	4.98
ECO16_A_40	3.53	3.81	3.94	0.13	4.42
ECO16_A_50	3.31	3.56	3.68	0.12	3.99
ECO16_A_75	2.94	3.14	3.24	0.10	3.24
ECO16_A_100	2.70	2.87	2.96	0.08	2.73
ECO16_A_150	2.39	2.52	2.58	0.06	2.02
ECO16_A_200	2.20	2.31	2.35	0.05	1.57
ECO17_A_10	1.43	4.40	4.41	0.01	0.26
ECO17_A_20	1.43	3.52	3.53	0.01	0.19
ECO17_A_30	1.43	3.07	3.08	0.00	0.16
ECO17_A_40	1.43	2.77	2.77	0.00	0.14
ECO17_A_50	1.43	2.59	2.59	0.00	0.12
ECO17_A_75	1.43	2.35	2.36	0.00	0.10
ECO17_A_100	1.43	2.17	2.17	0.00	0.09
ECO17_A_150	1.44	1.96	1.96	0.00	0.07
ECO17_A_200	1.44	1.84	1.84	0.00	0.06
ECO17_B_10	1.42	3.99	3.99	0.01	0.22
ECO17_B_20	1.42	3.38	3.38	0.01	0.18
ECO17_B_30	1.42	3.05	3.06	0.00	0.15
ECO17_B_40	1.42	2.81	2.82	0.00	0.13
ECO17_B_50	1.42	2.66	2.66	0.00	0.12
ECO17_B_75	1.42	2.46	2.46	0.00	0.11
ECO17_B_100	1.42	2.28	2.28	0.00	0.09
ECO17_B_150	1.42	2.08	2.08	0.00	0.07
ECO17_B_200	1.42	1.95	1.96	0.00	0.06
ECO17_C_10	2.24	2.28	2.29	0.01	0.37
ECO17_C_20	2.01	2.04	2.05	0.01	0.27
ECO17_C_30	1.87	1.91	1.92	0.01	0.22
ECO17_C_40	1.78	1.83	1.83	0.01	0.18
ECO17_C_50	1.73	1.77	1.78	0.00	0.16
ECO17_C_75	1.66	1.71	1.71	0.00	0.13
ECO17_C_100	1.61	1.65	1.65	0.00	0.11
ECO17_C_150	1.55	1.59	1.60	0.00	0.08

Table 4.5.39: Predicted Nitrogen Deposition Changes due to 2034 Completion Year Traffic, including Tritax Application

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	17.97	17.88	18.42	0.54	5.44
ECO1_A_20	17.90	17.83	18.27	0.44	4.40
ECO1_A_30	17.86	17.81	18.20	0.39	3.90
ECO1_A_40	17.83	17.79	18.14	0.36	3.57
ECO1_A_50	17.81	17.77	18.10	0.33	3.34
ECO1_A_75	17.77	17.74	18.03	0.29	2.92
ECO1_A_100	17.74	17.71	17.97	0.26	2.64
ECO1_A_150	17.68	17.66	17.88	0.22	2.19
ECO1_A_200	17.64	17.61	17.80	0.19	1.92
ECO1_B_10	17.77	17.70	18.14	0.45	4.46
ECO1_B_20	17.74	17.68	18.07	0.39	3.86
ECO1_B_30	17.72	17.68	18.04	0.36	3.56
ECO1_B_40	17.72	17.68	18.02	0.34	3.41
ECO1_B_50	17.72	17.69	18.02	0.33	3.32
ECO1_B_75	17.73	17.71	18.03	0.32	3.24
ECO1_B_100	17.76	17.74	18.07	0.33	3.30
ECO1_B_150	17.83	17.82	18.18	0.36	3.61
ECO1_B_200	17.89	17.88	18.28	0.40	3.98
ECO1_C_10	21.55	21.74	22.70	0.95	9.54
ECO1_C_20	20.57	20.72	22.54	1.82	18.24
ECO1_C_30	20.06	20.19	22.41	2.22	22.17
ECO1_C_40	19.70	19.81	22.27	2.46	24.58
ECO1_C_50	19.49	19.59	22.15	2.56	25.58
ECO1_C_75	19.11	19.19	21.89	2.70	27.02
ECO1_C_100	18.88	18.95	21.67	2.72	27.20
ECO1_C_150	18.60	18.64	21.29	2.64	26.43
ECO1_C_200	18.42	18.46	20.92	2.46	24.61
ECO1_D_10	22.37	22.59	22.71	0.12	1.23
ECO1_D_20	21.26	21.43	22.96	1.53	15.28
ECO1_D_30	20.73	20.88	23.23	2.35	23.47
ECO1_D_40	20.36	20.50	23.57	3.07	30.69
ECO1_D_50	20.11	20.23	23.98	3.74	37.43
ECO1_E_10	19.45	19.54	30.65	11.11	111.13
ECO1_E_20	19.52	19.62	28.14	8.52	85.20

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_E_30	19.60	19.70	26.57	6.87	68.70
ECO1_E_40	19.71	19.81	25.56	5.74	57.45
ECO1_E_50	19.81	19.92	24.87	4.95	49.47
ECO1_F_10	19.32	19.41	30.00	10.59	105.88
ECO1_F_20	19.28	19.36	27.62	8.25	82.51
ECO1_F_30	19.24	19.33	26.12	6.79	67.90
ECO1_F_40	19.21	19.29	25.14	5.85	58.49
ECO1_F_50	19.19	19.26	24.42	5.17	51.66
ECO1_F_75	19.14	19.20	23.25	4.05	40.48
ECO1_F_100	19.11	19.17	22.53	3.36	33.55
ECO1_F_150	19.09	19.15	21.67	2.52	25.18
ECO1_F_200	19.12	19.18	21.20	2.02	20.25
ECO1_G_10	46.14	47.12	49.67	2.55	25.54
ECO1_G_20	40.29	41.04	43.23	2.19	21.88
ECO1_G_30	36.75	37.37	39.33	1.96	19.57
ECO1_G_40	34.29	34.82	36.61	1.79	17.91
ECO1_G_50	32.44	32.91	34.57	1.66	16.61
ECO1_G_75	29.25	29.60	31.04	1.43	14.33
ECO1_G_100	27.16	27.44	28.72	1.28	12.81
ECO1_G_150	24.53	24.72	25.82	1.10	10.99
ECO1_G_200	22.87	23.00	24.01	1.00	10.03
ECO1_H_10	57.84	58.80	62.17	3.37	33.70
ECO1_H_20	49.86	50.64	53.47	2.83	28.28
ECO1_H_30	45.24	45.92	48.44	2.52	25.17
ECO1_H_40	42.34	42.96	45.28	2.32	23.20
ECO1_H_50	39.90	40.47	42.62	2.15	21.50
ECO1_H_75	35.83	36.31	38.17	1.86	18.62
ECO1_H_100	32.97	33.38	35.03	1.65	16.46
ECO1_H_150	29.29	29.60	30.94	1.34	13.44
ECO1_H_200	26.79	27.02	28.15	1.13	11.25
ECO2_A_15	44.04	44.93	47.44	2.51	50.11
ECO2_A_25	39.06	39.75	41.94	2.18	43.69
ECO2_A_35	35.94	36.51	38.48	1.98	39.52
ECO2_A_45	33.72	34.22	36.04	1.83	36.54
ECO2_A_55	32.03	32.47	34.18	1.71	34.24
ECO2_A_80	29.04	29.39	30.90	1.51	30.14

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO2_A_105	27.04	27.31	28.68	1.37	27.35
ECO2_A_155	24.44	24.63	25.82	1.19	23.71
ECO3_A	32.66	32.40	36.20	3.80	38.00
ECO3_B_	32.84	32.58	35.84	3.25	32.54
ECO3_C_	33.29	33.04	35.50	2.46	24.59
ECO4_A_10	40.02	39.84	40.41	0.57	5.74
ECO4_A_20	39.66	39.50	40.21	0.71	7.12
ECO4_A_30	39.53	39.37	40.16	0.79	7.89
ECO4_A_40	39.47	39.32	40.17	0.85	8.47
ECO4_A_50	39.48	39.33	40.22	0.89	8.89
ECO4_A_75	39.62	39.48	40.45	0.97	9.68
ECO4_A_100	39.84	39.70	40.73	1.03	10.28
ECO5_A_125	18.74	19.36	19.53	0.17	1.72
ECO5_A_150	18.40	18.90	19.06	0.15	1.52
ECO5_A_200	17.76	18.09	18.21	0.12	1.19
ECO6_A_10	36.54	36.33	37.19	0.86	8.58
ECO6_A_20	34.63	34.41	35.09	0.68	6.81
ECO6_A_30	33.55	33.33	33.91	0.58	5.81
ECO6_A_40	32.82	32.61	33.12	0.51	5.11
ECO6_A_50	32.25	32.04	32.50	0.46	4.59
ECO6_A_75	31.36	31.15	31.52	0.37	3.73
ECO6_A_100	30.79	30.57	30.88	0.31	3.11
ECO6_A_150	30.08	29.85	30.08	0.23	2.31
ECO6_A_200	29.66	29.43	29.60	0.18	1.77
ECO7_A_150	16.43	16.37	16.55	0.18	1.78
ECO7_A_200	16.19	16.11	16.25	0.14	1.40
ECO8_A_10	69.87	66.47	66.65	0.18	1.80
ECO8_A_20	61.85	58.80	58.98	0.18	1.80
ECO8_A_30	57.12	54.33	54.51	0.17	1.73
ECO8_A_40	53.77	51.20	51.37	0.17	1.66
ECO8_A_50	51.03	48.65	48.81	0.15	1.55
ECO8_A_75	46.44	44.41	44.54	0.14	1.37
ECO8_B_10	70.33	66.52	66.81	0.28	2.85
ECO8_B_20	63.72	60.34	60.59	0.25	2.48
ECO8_B_30	58.93	55.89	56.11	0.22	2.21
ECO8_B_40	55.71	52.90	53.11	0.21	2.06

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO8_B_50	53.17	50.55	50.75	0.19	1.94
ECO8_B_75	48.46	46.20	46.37	0.17	1.69
ECO8_B_100	45.11	43.12	43.27	0.15	1.49
ECO9_A_15	51.41	50.51	51.70	1.19	11.91
ECO9_A_25	47.76	46.91	47.93	1.03	10.25
ECO9_A_35	45.29	44.49	45.40	0.92	9.17
ECO9_A_45	43.43	42.67	43.50	0.83	8.30
ECO9_A_55	41.96	41.24	42.00	0.76	7.59
ECO9_A_80	39.31	38.66	39.29	0.62	6.24
ECO9_A_105	37.49	36.88	37.41	0.52	5.24
ECO9_A_155	35.09	34.54	34.93	0.39	3.89
ECO9_A_205	33.58	33.07	33.37	0.30	2.99
ECO9_B_10	64.15	63.13	64.99	1.86	18.62
ECO9_B_20	57.60	56.55	58.08	1.53	15.29
ECO9_B_30	53.63	52.61	53.94	1.33	13.34
ECO9_B_40	50.82	49.84	51.05	1.20	12.03
ECO10_A_30	39.27	39.87	39.99	0.11	1.12
ECO10_A_40	38.29	38.79	38.96	0.17	1.75
ECO10_A_50	37.60	38.03	38.24	0.22	2.16
ECO10_A_60	37.13	37.51	37.75	0.24	2.41
ECO10_A_70	36.71	37.04	37.31	0.27	2.66
ECO10_A_95	36.01	36.26	36.57	0.31	3.06
ECO10_A_120	35.54	35.73	36.06	0.33	3.30
ECO10_A_170	34.89	35.00	35.36	0.36	3.61
ECO11_A_15	71.77	72.52	76.07	3.55	35.53
ECO11_A_25	64.90	65.49	68.60	3.12	31.18
ECO11_A_35	59.93	60.42	63.21	2.79	27.88
ECO11_A_45	56.40	56.82	59.36	2.55	25.48
ECO11_A_55	53.89	54.25	56.62	2.37	23.72
ECO11_A_80	49.20	49.46	51.50	2.04	20.37
ECO11_A_105	45.95	46.13	47.93	1.80	17.97
ECO11_A_155	41.91	42.00	43.49	1.50	14.97
ECO11_A_205	39.39	39.41	40.73	1.32	13.15
ECO12_A_10	37.49	38.01	38.06	0.05	0.45
ECO12_A_20	36.33	36.71	36.84	0.12	1.23
ECO12_A_30	35.66	35.97	36.14	0.17	1.70

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO12_A_40	35.21	35.47	35.67	0.20	2.02
ECO12_A_50	34.88	35.11	35.33	0.23	2.26
ECO12_A_75	34.34	34.49	34.76	0.26	2.65
ECO12_A_100	33.99	34.09	34.39	0.30	2.97
ECO12_A_150	33.60	33.64	33.97	0.33	3.34
ECO12_A_200	33.38	33.38	33.74	0.36	3.59
ECO13_A_125	44.47	43.60	44.47	0.87	8.70
ECO13_A_150	42.64	41.79	42.56	0.77	7.66
ECO13_A_200	39.81	39.02	39.63	0.60	6.05
ECO14_A_50	55.22	52.40	52.54	0.14	1.40
ECO14_A_75	49.74	47.33	47.44	0.12	1.18
ECO15_A_20	79.42	78.47	81.93	3.47	34.65
ECO15_A_30	73.96	72.81	75.87	3.06	30.64
ECO15_A_40	69.62	68.35	71.10	2.75	27.46
ECO15_A_50	66.26	64.93	67.43	2.50	24.98
ECO15_A_75	60.18	58.79	60.82	2.02	20.24
ECO15_A_100	56.01	54.61	56.29	1.68	16.81
ECO16_A_30	29.52	29.23	30.05	0.82	8.15
ECO16_A_40	27.64	27.34	28.06	0.72	7.22
ECO16_A_50	26.26	25.96	26.62	0.65	6.55
ECO16_A_75	23.93	23.64	24.17	0.53	5.31
ECO16_A_100	22.42	22.14	22.59	0.45	4.48
ECO16_A_150	20.46	20.19	20.53	0.33	3.33
ECO16_A_200	19.24	18.99	19.25	0.26	2.57
ECO17_A_10	16.66	30.64	30.68	0.05	0.45
ECO17_A_20	16.05	25.80	25.83	0.03	0.33
ECO17_A_30	15.73	23.35	23.38	0.03	0.28
ECO17_A_40	15.51	21.68	21.71	0.02	0.24
ECO17_A_50	15.37	20.68	20.70	0.02	0.20
ECO17_A_75	15.19	19.39	19.41	0.02	0.18
ECO17_A_100	15.05	18.37	18.38	0.02	0.15
ECO17_A_150	14.90	17.21	17.22	0.01	0.13
ECO17_A_200	14.82	16.55	16.56	0.01	0.11
ECO17_B_10	16.43	28.47	28.51	0.04	0.39
ECO17_B_20	16.00	25.12	25.15	0.03	0.31
ECO17_B_30	15.76	23.34	23.36	0.03	0.27

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO17_B_40	15.58	22.01	22.04	0.02	0.24
ECO17_B_50	15.46	21.17	21.20	0.02	0.22
ECO17_B_75	15.30	20.07	20.09	0.02	0.20
ECO17_B_100	15.16	19.10	19.12	0.02	0.16
ECO17_B_150	15.00	18.00	18.01	0.01	0.13
ECO17_B_200	14.90	17.31	17.32	0.01	0.10
ECO17_C_10	19.34	18.95	19.02	0.06	0.63
ECO17_C_20	17.93	17.69	17.73	0.05	0.47
ECO17_C_30	17.12	16.96	17.00	0.04	0.37
ECO17_C_40	16.59	16.48	16.51	0.03	0.33
ECO17_C_50	16.26	16.19	16.21	0.03	0.28
ECO17_C_75	15.86	15.83	15.85	0.02	0.22
ECO17_C_100	15.52	15.53	15.55	0.02	0.18
ECO17_C_150	15.16	15.22	15.23	0.01	0.12
ECO17_C_200	14.96	15.05	15.06	0.01	0.09

Table 4.5.40: Predicted Acid Deposition Changes due to 2034 Completion Year Traffic, including Tritax Application

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	1.36	1.35	1.39	0.04	3.87
ECO1_A_20	1.36	1.35	1.38	0.03	3.13
ECO1_A_30	1.35	1.35	1.38	0.03	2.77
ECO1_A_40	1.35	1.35	1.37	0.03	2.54
ECO1_A_50	1.35	1.35	1.37	0.02	2.38
ECO1_A_75	1.35	1.34	1.36	0.02	2.08
ECO1_A_100	1.34	1.34	1.36	0.02	1.88
ECO1_A_150	1.34	1.34	1.35	0.02	1.56
ECO1_A_200	1.34	1.33	1.35	0.01	1.36
ECO1_B_10	1.35	1.34	1.37	0.03	3.18
ECO1_B_20	1.34	1.34	1.37	0.03	2.74
ECO1_B_30	1.34	1.34	1.36	0.03	2.53
ECO1_B_40	1.34	1.34	1.36	0.02	2.43
ECO1_B_50	1.34	1.34	1.36	0.02	2.36
ECO1_B_75	1.34	1.34	1.36	0.02	2.31

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_B_100	1.34	1.34	1.37	0.02	2.35
ECO1_B_150	1.35	1.35	1.37	0.03	2.57
ECO1_B_200	1.35	1.35	1.38	0.03	2.83
ECO1_C_10	1.60	1.62	1.69	0.07	6.79
ECO1_C_20	1.54	1.55	1.68	0.13	12.98
ECO1_C_30	1.50	1.51	1.67	0.16	15.78
ECO1_C_40	1.47	1.48	1.66	0.17	17.49
ECO1_C_50	1.46	1.47	1.65	0.18	18.21
ECO1_C_75	1.43	1.44	1.63	0.19	19.23
ECO1_C_100	1.42	1.42	1.61	0.19	19.36
ECO1_C_150	1.40	1.40	1.59	0.19	18.81
ECO1_C_200	1.38	1.38	1.56	0.18	17.51
ECO1_D_10	1.66	1.68	1.69	0.01	0.87
ECO1_D_20	1.58	1.59	1.70	0.11	10.88
ECO1_D_30	1.54	1.56	1.72	0.17	16.71
ECO1_D_40	1.52	1.53	1.75	0.22	21.84
ECO1_D_50	1.50	1.51	1.78	0.27	26.64
ECO1_E_10	1.45	1.46	2.25	0.79	79.09
ECO1_E_20	1.46	1.47	2.07	0.61	60.63
ECO1_E_30	1.46	1.47	1.96	0.49	48.89
ECO1_E_40	1.47	1.48	1.89	0.41	40.88
ECO1_E_50	1.48	1.49	1.84	0.35	35.21
ECO1_F_10	1.44	1.45	2.20	0.75	75.35
ECO1_F_20	1.44	1.45	2.03	0.59	58.72
ECO1_F_30	1.44	1.44	1.93	0.48	48.32
ECO1_F_40	1.44	1.44	1.86	0.42	41.63
ECO1_F_50	1.43	1.44	1.81	0.37	36.76
ECO1_F_75	1.43	1.44	1.72	0.29	28.81
ECO1_F_100	1.43	1.43	1.67	0.24	23.88
ECO1_F_150	1.43	1.43	1.61	0.18	17.92
ECO1_F_200	1.43	1.43	1.58	0.14	14.41
ECO1_G_10	3.35	3.42	3.60	0.18	18.18
ECO1_G_20	2.94	2.99	3.15	0.16	15.57
ECO1_G_30	2.69	2.73	2.87	0.14	13.92
ECO1_G_40	2.51	2.55	2.67	0.13	12.75
ECO1_G_50	2.38	2.41	2.53	0.12	11.82

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_G_75	2.15	2.18	2.28	0.10	10.20
ECO1_G_100	2.00	2.02	2.11	0.09	9.12
ECO1_G_150	1.81	1.83	1.91	0.08	7.82
ECO1_G_200	1.70	1.71	1.78	0.07	7.14
ECO1_H_10	4.18	4.25	4.49	0.24	23.98
ECO1_H_20	3.61	3.67	3.87	0.20	20.12
ECO1_H_30	3.29	3.33	3.51	0.18	17.91
ECO1_H_40	3.08	3.12	3.29	0.17	16.51
ECO1_H_50	2.91	2.95	3.10	0.15	15.30
ECO1_H_75	2.62	2.65	2.78	0.13	13.25
ECO1_H_100	2.41	2.44	2.56	0.12	11.71
ECO1_H_150	2.15	2.17	2.27	0.10	9.56
ECO1_H_200	1.97	1.99	2.07	0.08	8.01
ECO2_A_15	3.20	3.27	3.44	0.18	17.83
ECO2_A_25	2.85	2.90	3.05	0.16	15.54
ECO2_A_35	2.63	2.67	2.81	0.14	14.06
ECO2_A_45	2.47	2.50	2.63	0.13	13.00
ECO2_A_55	2.35	2.38	2.50	0.12	12.18
ECO2_A_80	2.14	2.16	2.27	0.11	10.72
ECO2_A_105	1.99	2.01	2.11	0.10	9.73
ECO2_A_155	1.81	1.82	1.91	0.08	8.43
ECO3_A	2.41	2.39	2.66	0.27	27.04
ECO3_B_	2.42	2.40	2.64	0.23	23.16
ECO3_C_	2.45	2.44	2.61	0.18	17.50
ECO4_A_10	2.95	2.94	2.98	0.04	4.08
ECO4_A_20	2.93	2.92	2.97	0.05	5.06
ECO4_A_30	2.92	2.91	2.96	0.06	5.62
ECO4_A_40	2.92	2.90	2.96	0.06	6.03
ECO4_A_50	2.92	2.91	2.97	0.06	6.33
ECO4_A_75	2.93	2.92	2.98	0.07	6.89
ECO4_A_100	2.94	2.93	3.00	0.07	7.31
ECO5_A_125	1.38	1.42	1.43	0.01	1.22
ECO5_A_150	1.35	1.39	1.40	0.01	1.08
ECO5_A_200	1.31	1.33	1.34	0.01	0.85
ECO6_A_10	2.67	2.66	2.72	0.06	6.11
ECO6_A_20	2.54	2.52	2.57	0.05	4.85

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO6_A_30	2.46	2.44	2.48	0.04	4.13
ECO6_A_40	2.41	2.39	2.43	0.04	3.64
ECO6_A_50	2.37	2.35	2.38	0.03	3.27
ECO6_A_75	2.30	2.29	2.31	0.03	2.65
ECO6_A_100	2.26	2.25	2.27	0.02	2.21
ECO6_A_150	2.21	2.20	2.21	0.02	1.64
ECO6_A_200	2.18	2.17	2.18	0.01	1.26
ECO7_A_150	1.21	1.20	1.21	0.01	1.26
ECO7_A_200	1.19	1.18	1.19	0.01	0.99
ECO8_A_10	5.04	4.80	4.81	0.01	1.28
ECO8_A_20	4.47	4.25	4.27	0.01	1.28
ECO8_A_30	4.14	3.94	3.95	0.01	1.23
ECO8_A_40	3.90	3.71	3.73	0.01	1.18
ECO8_A_50	3.70	3.53	3.54	0.01	1.10
ECO8_A_75	3.38	3.23	3.24	0.01	0.98
ECO8_B_10	5.08	4.80	4.82	0.02	2.03
ECO8_B_20	4.61	4.36	4.38	0.02	1.77
ECO8_B_30	4.26	4.05	4.06	0.02	1.57
ECO8_B_40	4.04	3.83	3.85	0.01	1.47
ECO8_B_50	3.85	3.67	3.68	0.01	1.38
ECO8_B_75	3.52	3.36	3.37	0.01	1.21
ECO8_B_100	3.28	3.14	3.15	0.01	1.06
ECO9_A_15	3.73	3.66	3.75	0.08	8.48
ECO9_A_25	3.47	3.41	3.48	0.07	7.30
ECO9_A_35	3.29	3.24	3.30	0.07	6.52
ECO9_A_45	3.16	3.11	3.17	0.06	5.91
ECO9_A_55	3.06	3.00	3.06	0.05	5.40
ECO9_A_80	2.87	2.82	2.87	0.04	4.44
ECO9_A_105	2.74	2.69	2.73	0.04	3.73
ECO9_A_155	2.57	2.53	2.56	0.03	2.77
ECO9_A_205	2.46	2.42	2.44	0.02	2.12
ECO9_B_10	4.64	4.56	4.69	0.13	13.25
ECO9_B_20	4.17	4.09	4.20	0.11	10.88
ECO9_B_30	3.89	3.81	3.91	0.09	9.49
ECO9_B_40	3.69	3.62	3.70	0.09	8.56
ECO10_A_30	2.91	2.95	2.96	0.01	0.80

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO10_A_40	2.84	2.87	2.88	0.01	1.24
ECO10_A_50	2.79	2.82	2.83	0.02	1.54
ECO10_A_60	2.75	2.78	2.80	0.02	1.72
ECO10_A_70	2.72	2.75	2.77	0.02	1.90
ECO10_A_95	2.67	2.69	2.71	0.02	2.18
ECO10_A_120	2.64	2.65	2.68	0.02	2.35
ECO10_A_170	2.59	2.60	2.63	0.03	2.57
ECO11_A_15	5.20	5.25	5.51	0.25	25.28
ECO11_A_25	4.71	4.75	4.97	0.22	22.19
ECO11_A_35	4.36	4.39	4.59	0.20	19.84
ECO11_A_45	4.11	4.14	4.32	0.18	18.14
ECO11_A_55	3.93	3.95	4.12	0.17	16.88
ECO11_A_80	3.59	3.61	3.76	0.14	14.50
ECO11_A_105	3.36	3.38	3.50	0.13	12.79
ECO11_A_155	3.08	3.08	3.19	0.11	10.65
ECO11_A_205	2.90	2.90	2.99	0.09	9.36
ECO12_A_10	2.77	2.81	2.81	0.00	0.32
ECO12_A_20	2.69	2.72	2.73	0.01	0.88
ECO12_A_30	2.64	2.67	2.68	0.01	1.21
ECO12_A_40	2.61	2.63	2.64	0.01	1.44
ECO12_A_50	2.59	2.60	2.62	0.02	1.61
ECO12_A_75	2.55	2.56	2.58	0.02	1.88
ECO12_A_100	2.53	2.53	2.55	0.02	2.11
ECO12_A_150	2.50	2.50	2.52	0.02	2.38
ECO12_A_200	2.48	2.48	2.51	0.03	2.55
ECO13_A_125	3.24	3.18	3.24	0.06	6.19
ECO13_A_150	3.11	3.05	3.10	0.05	5.45
ECO13_A_200	2.91	2.85	2.89	0.04	4.30
ECO14_A_50	4.00	3.80	3.81	0.01	1.00
ECO14_A_75	3.61	3.44	3.45	0.01	0.84
ECO15_A_20	5.73	5.66	5.91	0.25	24.66
ECO15_A_30	5.34	5.26	5.48	0.22	21.81
ECO15_A_40	5.03	4.94	5.14	0.20	19.54
ECO15_A_50	4.80	4.70	4.88	0.18	17.78
ECO15_A_75	4.36	4.26	4.41	0.14	14.40
ECO15_A_100	4.07	3.97	4.08	0.12	11.96

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO16_A_30	2.14	2.12	2.18	0.06	5.80
ECO16_A_40	2.01	1.99	2.04	0.05	5.14
ECO16_A_50	1.91	1.89	1.94	0.05	4.66
ECO16_A_75	1.74	1.72	1.76	0.04	3.78
ECO16_A_100	1.64	1.62	1.65	0.03	3.18
ECO16_A_150	1.50	1.48	1.50	0.02	2.37
ECO16_A_200	1.41	1.39	1.41	0.02	1.83
ECO17_A_10	1.20	2.19	2.19	0.00	0.32
ECO17_A_20	1.15	1.85	1.85	0.00	0.24
ECO17_A_30	1.13	1.67	1.67	0.00	0.20
ECO17_A_40	1.11	1.55	1.56	0.00	0.17
ECO17_A_50	1.10	1.48	1.48	0.00	0.15
ECO17_A_75	1.09	1.39	1.39	0.00	0.13
ECO17_A_100	1.08	1.32	1.32	0.00	0.11
ECO17_A_150	1.07	1.24	1.24	0.00	0.09
ECO17_A_200	1.07	1.19	1.19	0.00	0.08
ECO17_B_10	1.27	2.13	2.13	0.00	0.28
ECO17_B_20	1.24	1.89	1.89	0.00	0.22
ECO17_B_30	1.23	1.76	1.77	0.00	0.19
ECO17_B_40	1.21	1.67	1.67	0.00	0.17
ECO17_B_50	1.20	1.61	1.61	0.00	0.16
ECO17_B_75	1.19	1.53	1.53	0.00	0.14
ECO17_B_100	1.18	1.46	1.46	0.00	0.11
ECO17_B_150	1.17	1.38	1.39	0.00	0.09
ECO17_B_200	1.16	1.34	1.34	0.00	0.07
ECO17_C_10	1.39	1.36	1.36	0.00	0.45
ECO17_C_20	1.29	1.27	1.27	0.00	0.34
ECO17_C_30	1.23	1.22	1.22	0.00	0.27
ECO17_C_40	1.19	1.18	1.19	0.00	0.23
ECO17_C_50	1.17	1.16	1.16	0.00	0.20
ECO17_C_75	1.14	1.14	1.14	0.00	0.16
ECO17_C_100	1.12	1.12	1.12	0.00	0.13
ECO17_C_150	1.09	1.09	1.09	0.00	0.09
ECO17_C_200	1.08	1.08	1.08	0.00	0.07

2042 Baseline vs 2042 End of Local Plan Year (Do Something)

Table 4.5.41: Predicted NO_x Concentration Changes due to 2034 End of Local Plan Year Traffic

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_A_10	9.3	5.5	5.8	0.2	0.71
ECO1_A_20	9.2	5.5	5.7	0.2	0.63
ECO1_A_30	9.1	5.5	5.7	0.2	0.59
ECO1_A_40	9.1	5.5	5.7	0.2	0.55
ECO1_A_50	9.0	5.5	5.7	0.2	0.53
ECO1_A_75	9.0	5.5	5.6	0.1	0.49
ECO1_A_100	8.9	5.5	5.6	0.1	0.46
ECO1_A_150	8.8	5.5	5.6	0.1	0.40
ECO1_A_200	8.8	5.4	5.5	0.1	0.36
ECO1_B_10	9.2	5.5	5.7	0.2	0.64
ECO1_B_20	9.1	5.5	5.7	0.2	0.60
ECO1_B_30	9.1	5.5	5.7	0.2	0.58
ECO1_B_40	9.8	5.8	6.0	0.2	0.58
ECO1_B_50	9.8	5.8	6.0	0.2	0.58
ECO1_B_75	9.8	5.8	6.0	0.2	0.59
ECO1_B_100	9.8	5.9	6.0	0.2	0.63
ECO1_B_150	10.0	5.9	6.1	0.2	0.74
ECO1_B_200	10.0	5.9	6.2	0.3	0.85
ECO1_C_10	23.2	13.1	14.5	1.3	4.40
ECO1_C_20	21.7	12.6	14.4	1.8	5.95
ECO1_C_30	20.9	12.3	14.3	2.0	6.62
ECO1_C_40	20.4	12.1	14.2	2.1	7.00
ECO1_C_50	20.0	11.9	14.1	2.1	7.13
ECO1_C_75	19.4	11.7	13.9	2.2	7.29
ECO1_C_100	19.1	11.6	13.8	2.2	7.24
ECO1_C_150	12.1	6.9	9.0	2.1	6.96
ECO1_C_200	11.8	6.8	8.8	1.9	6.48
ECO1_D_10	24.7	13.7	14.5	0.9	2.84
ECO1_D_20	23.0	13.0	14.7	1.7	5.64
ECO1_D_30	22.1	12.7	14.9	2.2	7.36
ECO1_D_40	21.6	12.5	15.2	2.7	8.93
ECO1_D_50	21.2	12.3	15.5	3.1	10.47
ECO1_E_10	20.1	11.9	20.3	8.4	27.89

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_E_20	20.2	12.0	18.5	6.6	21.91
ECO1_E_30	20.4	12.0	17.4	5.4	17.95
ECO1_E_40	20.5	12.1	16.7	4.6	15.24
ECO1_E_50	20.7	12.2	16.1	4.0	13.30
ECO1_F_10	19.9	11.9	20.0	8.1	27.13
ECO1_F_20	19.9	11.8	18.1	6.3	21.06
ECO1_F_30	19.8	11.8	17.0	5.2	17.24
ECO1_F_40	19.8	11.8	16.2	4.4	14.75
ECO1_F_50	19.7	11.8	15.6	3.9	12.93
ECO1_F_75	19.6	11.7	14.7	3.0	9.97
ECO1_F_100	19.6	11.7	14.1	2.4	8.14
ECO1_F_150	19.6	11.7	13.4	1.8	5.93
ECO1_F_200	19.6	11.7	13.0	1.4	4.64
ECO1_G_10	60.9	21.3	21.9	0.6	2.08
ECO1_G_20	51.6	19.0	19.6	0.6	1.91
ECO1_G_30	46.0	17.6	18.1	0.5	1.80
ECO1_G_40	42.1	16.6	17.1	0.5	1.72
ECO1_G_50	39.1	15.8	16.3	0.5	1.66
ECO1_G_75	34.1	14.5	15.0	0.5	1.55
ECO1_G_100	32.2	15.0	15.4	0.4	1.50
ECO1_G_150	28.1	13.9	14.3	0.4	1.45
ECO1_G_200	25.5	13.2	13.6	0.4	1.48
ECO1_H_10	81.1	27.5	28.3	0.8	2.80
ECO1_H_20	63.4	20.8	21.6	0.7	2.39
ECO1_H_30	55.8	18.8	19.4	0.6	2.16
ECO1_H_40	51.1	17.5	18.1	0.6	2.02
ECO1_H_50	47.2	16.4	17.0	0.6	1.90
ECO1_H_75	40.7	14.6	15.1	0.5	1.69
ECO1_H_100	36.1	13.4	13.9	0.5	1.54
ECO1_H_150	30.2	11.8	12.2	0.4	1.32
ECO1_H_200	26.2	10.7	11.1	0.3	1.16
ECO2_A_15	59.0	21.8	22.5	0.7	2.26
ECO2_A_25	51.1	19.8	20.5	0.6	2.11
ECO2_A_35	46.1	18.6	19.2	0.6	2.01
ECO2_A_45	42.6	17.7	18.3	0.6	1.94
ECO2_A_55	39.9	17.0	17.6	0.6	1.89

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO2_A_80	35.2	15.8	16.3	0.5	1.79
ECO2_A_105	32.0	14.9	15.4	0.5	1.74
ECO2_A_155	28.0	13.8	14.3	0.5	1.69
ECO3_A	14.2	7.0	9.4	2.5	8.19
ECO3_B_	14.5	7.0	9.1	2.1	7.03
ECO3_C_	15.3	7.2	8.8	1.6	5.41
ECO4_A_10	20.0	9.8	10.0	0.1	0.50
ECO4_A_20	19.7	9.7	9.9	0.2	0.62
ECO4_A_30	19.6	9.7	9.9	0.2	0.69
ECO4_A_40	19.5	9.7	9.9	0.2	0.74
ECO4_A_50	19.5	9.7	9.9	0.2	0.77
ECO4_A_75	19.7	9.7	10.0	0.3	0.84
ECO4_A_100	20.0	9.8	10.1	0.3	0.88
ECO5_A_125	20.2	9.3	9.5	0.2	0.68
ECO5_A_150	19.3	8.9	9.1	0.2	0.60
ECO5_A_200	17.6	8.4	8.5	0.1	0.46
ECO6_A_10	22.6	9.3	10.1	0.9	2.85
ECO6_A_20	19.5	8.4	9.1	0.7	2.23
ECO6_A_30	17.7	7.9	8.5	0.6	1.88
ECO6_A_40	16.5	7.6	8.1	0.5	1.65
ECO6_A_50	15.5	7.3	7.8	0.4	1.47
ECO6_A_75	14.1	6.9	7.3	0.4	1.17
ECO6_A_100	13.1	6.7	7.0	0.3	0.98
ECO6_A_150	12.0	6.3	6.6	0.2	0.72
ECO6_A_200	11.3	6.1	6.3	0.2	0.57
ECO7_A_150	11.9	6.3	6.5	0.2	0.76
ECO7_A_200	11.3	6.1	6.3	0.2	0.60
ECO8_A_10	91.2	28.7	29.1	0.4	1.28
ECO8_A_20	75.4	24.3	24.6	0.3	1.06
ECO8_A_30	66.2	21.7	21.9	0.3	0.92
ECO8_A_40	59.7	19.9	20.1	0.2	0.82
ECO8_A_50	54.5	18.4	18.6	0.2	0.74
ECO8_A_75	45.9	15.9	16.1	0.2	0.60
ECO8_B_10	92.1	28.8	29.3	0.4	1.43
ECO8_B_20	79.0	25.2	25.6	0.4	1.20
ECO8_B_30	69.7	22.6	22.9	0.3	1.04

Receptor ID	Annual Mean NO_x Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO8_B_40	63.5	20.8	21.1	0.3	0.93
ECO8_B_50	58.6	19.5	19.7	0.3	0.85
ECO8_B_75	49.7	16.9	17.2	0.2	0.69
ECO8_B_100	43.4	15.2	15.3	0.2	0.57
ECO9_A_15	52.8	15.5	15.9	0.3	1.14
ECO9_A_25	45.9	14.0	14.3	0.3	0.99
ECO9_A_35	41.3	13.0	13.3	0.3	0.89
ECO9_A_45	37.8	12.2	12.5	0.2	0.81
ECO9_A_55	35.1	11.6	11.8	0.2	0.74
ECO9_A_80	30.2	10.5	10.7	0.2	0.61
ECO9_A_105	26.9	9.8	9.9	0.2	0.52
ECO9_A_155	22.0	8.7	8.8	0.1	0.38
ECO9_A_205	19.2	8.0	8.1	0.1	0.30
ECO9_B_10	77.3	20.9	21.4	0.6	1.87
ECO9_B_20	64.6	18.1	18.5	0.5	1.53
ECO9_B_30	56.9	16.4	16.8	0.4	1.33
ECO9_B_40	51.6	15.2	15.6	0.4	1.20
ECO10_A_30	17.4	8.8	9.2	0.4	1.37
ECO10_A_40	16.4	8.5	8.8	0.4	1.23
ECO10_A_50	15.7	8.2	8.6	0.3	1.14
ECO10_A_60	15.3	8.1	8.4	0.3	1.07
ECO10_A_70	14.9	7.9	8.2	0.3	1.01
ECO10_A_95	14.2	7.7	7.9	0.3	0.92
ECO10_A_120	13.7	7.5	7.7	0.3	0.85
ECO10_A_170	13.1	7.3	7.5	0.2	0.76
ECO11_A_15	53.8	17.1	17.6	0.5	1.66
ECO11_A_25	46.7	15.3	15.8	0.5	1.52
ECO11_A_35	41.6	14.0	14.5	0.4	1.42
ECO11_A_45	38.0	13.1	13.5	0.4	1.34
ECO11_A_55	35.5	12.5	12.9	0.4	1.29
ECO11_A_80	30.7	11.3	11.6	0.4	1.19
ECO11_A_105	27.4	10.4	10.8	0.3	1.13
ECO11_A_155	23.4	9.4	9.7	0.3	1.05
ECO11_A_205	20.8	8.7	9.0	0.3	1.01
ECO12_A_10	15.9	8.3	8.6	0.3	1.09
ECO12_A_20	14.7	7.9	8.1	0.3	0.92

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO12_A_30	14.1	7.6	7.9	0.2	0.83
ECO12_A_40	13.6	7.4	7.7	0.2	0.77
ECO12_A_50	13.3	7.3	7.5	0.2	0.72
ECO12_A_75	12.7	7.1	7.3	0.2	0.65
ECO12_A_100	12.4	7.0	7.2	0.2	0.60
ECO12_A_150	12.0	6.8	7.0	0.2	0.54
ECO12_A_200	11.8	6.7	6.9	0.2	0.51
ECO13_A_125	39.5	12.6	12.8	0.3	0.84
ECO13_A_150	36.1	11.8	12.0	0.2	0.74
ECO13_A_200	30.9	10.6	10.8	0.2	0.58
ECO14_A_50	63.6	21.3	21.5	0.2	0.63
ECO14_A_75	53.2	18.4	18.5	0.2	0.52
ECO15_A_20	111.8	35.9	36.9	1.0	3.29
ECO15_A_30	101.0	32.6	33.5	0.9	3.01
ECO15_A_40	92.5	30.0	30.8	0.8	2.74
ECO15_A_50	85.9	28.0	28.7	0.8	2.51
ECO15_A_75	74.0	24.4	25.0	0.6	2.05
ECO15_A_100	65.9	21.9	22.4	0.5	1.69
ECO16_A_30	54.7	15.6	15.9	0.3	0.98
ECO16_A_40	49.1	14.4	14.7	0.3	0.88
ECO16_A_50	45.0	13.5	13.7	0.2	0.80
ECO16_A_75	38.1	12.0	12.2	0.2	0.66
ECO16_A_100	33.7	11.0	11.2	0.2	0.56
ECO16_A_150	27.9	9.8	9.9	0.1	0.42
ECO16_A_200	24.4	9.0	9.1	0.1	0.34
ECO17_A_10	46.6	18.0	18.0	0.0	0.14
ECO17_A_20	36.5	15.2	15.2	0.0	0.11
ECO17_A_30	31.4	13.7	13.8	0.0	0.09
ECO17_A_40	28.0	12.8	12.8	0.0	0.08
ECO17_A_50	25.9	12.2	12.2	0.0	0.07
ECO17_A_75	23.2	11.4	11.5	0.0	0.06
ECO17_A_100	21.1	10.8	10.8	0.0	0.05
ECO17_A_150	18.7	10.1	10.2	0.0	0.05
ECO17_A_200	17.4	9.8	9.8	0.0	0.04
ECO17_B_10	42.7	17.5	17.5	0.0	0.12
ECO17_B_20	35.8	15.5	15.5	0.0	0.10

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO17_B_30	32.1	14.5	14.5	0.0	0.08
ECO17_B_40	29.3	13.7	13.7	0.0	0.08
ECO17_B_50	27.6	13.2	13.2	0.0	0.07
ECO17_B_75	25.3	12.6	12.6	0.0	0.06
ECO17_B_100	23.3	12.0	12.0	0.0	0.05
ECO17_B_150	21.1	11.4	11.4	0.0	0.05
ECO17_B_200	19.7	11.0	11.0	0.0	0.04
ECO17_C_10	20.7	10.3	10.4	0.1	0.28
ECO17_C_20	18.1	9.6	9.7	0.1	0.20
ECO17_C_30	16.5	9.2	9.3	0.0	0.16
ECO17_C_40	15.5	9.0	9.0	0.0	0.13
ECO17_C_50	14.9	8.8	8.9	0.0	0.12
ECO17_C_75	14.2	8.6	8.7	0.0	0.10
ECO17_C_100	13.6	8.5	8.5	0.0	0.08
ECO17_C_150	12.9	8.3	8.3	0.0	0.06
ECO17_C_200	12.5	8.2	8.2	0.0	0.04

Table 4.5.42: Predicted NH_3 Concentration Changes due to 2042 End of Local Plan Year Traffic

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_A_10	1.79	1.83	1.93	0.10	3.19
ECO1_A_20	1.77	1.82	1.89	0.08	2.58
ECO1_A_30	1.77	1.81	1.88	0.07	2.29
ECO1_A_40	1.76	1.80	1.86	0.06	2.09
ECO1_A_50	1.76	1.80	1.86	0.06	1.96
ECO1_A_75	1.75	1.79	1.84	0.05	1.71
ECO1_A_100	1.75	1.78	1.83	0.05	1.54
ECO1_A_150	1.74	1.77	1.81	0.04	1.29
ECO1_A_200	1.73	1.76	1.80	0.03	1.12
ECO1_B_10	1.77	1.81	1.89	0.08	2.62
ECO1_B_20	1.77	1.81	1.88	0.07	2.26
ECO1_B_30	1.77	1.81	1.87	0.06	2.10
ECO1_B_40	1.77	1.81	1.87	0.06	2.01
ECO1_B_50	1.77	1.81	1.86	0.06	1.96
ECO1_B_75	1.77	1.81	1.87	0.06	1.91

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_B_100	1.77	1.81	1.87	0.06	1.95
ECO1_B_150	1.78	1.83	1.89	0.06	2.14
ECO1_B_200	1.80	1.84	1.91	0.07	2.36
ECO1_C_10	2.50	2.69	2.84	0.15	5.09
ECO1_C_20	2.33	2.49	2.81	0.32	10.70
ECO1_C_30	2.25	2.38	2.78	0.40	13.23
ECO1_C_40	2.18	2.31	2.75	0.44	14.74
ECO1_C_50	2.15	2.27	2.73	0.46	15.37
ECO1_C_75	2.08	2.19	2.67	0.49	16.25
ECO1_C_100	2.04	2.14	2.63	0.49	16.33
ECO1_C_150	2.00	2.08	2.55	0.47	15.82
ECO1_C_200	1.97	2.04	2.48	0.44	14.69
ECO1_D_10	2.68	2.89	2.89	0.00	-0.03
ECO1_D_20	2.49	2.66	2.94	0.28	9.18
ECO1_D_30	2.40	2.56	3.00	0.44	14.58
ECO1_D_40	2.34	2.48	3.06	0.58	19.35
ECO1_D_50	2.29	2.43	3.15	0.72	23.83
ECO1_E_10	2.18	2.30	4.49	2.19	72.99
ECO1_E_20	2.19	2.31	3.98	1.67	55.65
ECO1_E_30	2.21	2.33	3.67	1.34	44.66
ECO1_E_40	2.22	2.35	3.46	1.11	37.16
ECO1_E_50	2.24	2.37	3.33	0.96	31.86
ECO1_F_10	2.16	2.27	4.36	2.09	69.71
ECO1_F_20	2.15	2.26	3.89	1.63	54.18
ECO1_F_30	2.15	2.25	3.59	1.33	44.49
ECO1_F_40	2.14	2.25	3.39	1.15	38.25
ECO1_F_50	2.14	2.24	3.25	1.01	33.73
ECO1_F_75	2.13	2.23	3.02	0.79	26.33
ECO1_F_100	2.12	2.22	2.87	0.65	21.74
ECO1_F_150	2.12	2.22	2.70	0.49	16.17
ECO1_F_200	2.12	2.22	2.61	0.39	12.85
ECO1_G_10	6.81	7.60	7.82	0.21	7.07
ECO1_G_20	5.78	6.44	6.63	0.19	6.39
ECO1_G_30	5.16	5.73	5.91	0.18	5.95
ECO1_G_40	4.74	5.24	5.41	0.17	5.64
ECO1_G_50	4.42	4.87	5.03	0.16	5.41

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_G_75	3.86	4.24	4.39	0.15	5.01
ECO1_G_100	3.50	3.82	3.96	0.14	4.78
ECO1_G_150	3.05	3.29	3.43	0.14	4.57
ECO1_G_200	2.77	2.96	3.10	0.14	4.57
ECO1_H_10	9.01	10.00	10.27	0.26	8.81
ECO1_H_20	7.60	8.43	8.66	0.23	7.63
ECO1_H_30	6.78	7.52	7.73	0.21	6.95
ECO1_H_40	6.28	6.95	7.15	0.20	6.52
ECO1_H_50	5.85	6.47	6.66	0.18	6.14
ECO1_H_75	5.14	5.67	5.84	0.16	5.50
ECO1_H_100	4.64	5.11	5.26	0.15	5.00
ECO1_H_150	4.01	4.38	4.51	0.13	4.30
ECO1_H_200	3.57	3.88	3.99	0.11	3.77
ECO2_A_15	6.44	7.19	7.41	0.22	7.44
ECO2_A_25	5.57	6.19	6.40	0.21	6.84
ECO2_A_35	5.02	5.57	5.76	0.19	6.45
ECO2_A_45	4.64	5.13	5.31	0.19	6.18
ECO2_A_55	4.34	4.79	4.97	0.18	5.97
ECO2_A_80	3.83	4.20	4.36	0.17	5.63
ECO2_A_105	3.48	3.80	3.96	0.16	5.41
ECO2_A_155	3.04	3.28	3.43	0.16	5.19
ECO3_A	2.06	2.14	2.60	0.47	46.59
ECO3_B_	2.07	2.16	2.56	0.40	39.74
ECO3_C_	2.12	2.22	2.51	0.30	29.81
ECO4_A_10	2.77	3.03	3.05	0.01	1.41
ECO4_A_20	2.73	2.97	3.00	0.03	3.43
ECO4_A_30	2.71	2.94	2.98	0.05	4.54
ECO4_A_40	2.71	2.92	2.97	0.05	5.31
ECO4_A_50	2.71	2.92	2.98	0.06	5.85
ECO4_A_75	2.72	2.93	2.99	0.07	6.81
ECO4_A_100	2.75	2.95	3.02	0.07	7.46
ECO5_A_125	2.16	2.43	2.45	0.02	0.64
ECO5_A_150	2.10	2.34	2.36	0.02	0.56
ECO5_A_200	2.00	2.19	2.20	0.01	0.42
ECO6_A_10	2.34	2.66	2.73	0.07	7.16
ECO6_A_20	2.15	2.40	2.46	0.06	5.68

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO6_A_30	2.04	2.26	2.31	0.05	4.85
ECO6_A_40	1.97	2.16	2.20	0.04	4.30
ECO6_A_50	1.91	2.09	2.12	0.04	3.86
ECO6_A_75	1.82	1.96	2.00	0.03	3.13
ECO6_A_100	1.77	1.89	1.91	0.03	2.62
ECO6_A_150	1.70	1.79	1.81	0.02	1.94
ECO6_A_200	1.66	1.73	1.74	0.02	1.53
ECO7_A_150	1.81	1.89	1.91	0.02	0.76
ECO7_A_200	1.77	1.84	1.85	0.02	0.60
ECO8_A_10	5.80	5.96	5.97	0.01	0.91
ECO8_A_20	4.95	5.08	5.09	0.01	0.96
ECO8_A_30	4.45	4.58	4.59	0.01	0.92
ECO8_A_40	4.11	4.23	4.23	0.01	0.86
ECO8_A_50	3.83	3.94	3.95	0.01	0.78
ECO8_A_75	3.37	3.46	3.47	0.01	0.63
ECO8_B_10	5.85	5.94	5.96	0.02	2.17
ECO8_B_20	5.14	5.24	5.26	0.02	1.75
ECO8_B_30	4.64	4.74	4.76	0.01	1.49
ECO8_B_40	4.31	4.41	4.42	0.01	1.34
ECO8_B_50	4.05	4.15	4.16	0.01	1.21
ECO8_B_75	3.57	3.66	3.67	0.01	0.98
ECO8_B_100	3.23	3.31	3.32	0.01	0.80
ECO9_A_15	3.84	4.42	4.52	0.10	3.34
ECO9_A_25	3.47	3.97	4.05	0.09	2.91
ECO9_A_35	3.22	3.66	3.74	0.08	2.60
ECO9_A_45	3.04	3.43	3.50	0.07	2.36
ECO9_A_55	2.89	3.25	3.32	0.06	2.17
ECO9_A_80	2.63	2.92	2.98	0.05	1.79
ECO9_A_105	2.45	2.70	2.74	0.05	1.51
ECO9_A_155	2.22	2.40	2.43	0.03	1.11
ECO9_A_205	2.07	2.21	2.24	0.03	0.86
ECO9_B_10	5.16	6.01	6.18	0.17	5.56
ECO9_B_20	4.48	5.18	5.32	0.14	4.52
ECO9_B_30	4.07	4.68	4.80	0.12	3.94
ECO9_B_40	3.78	4.34	4.44	0.11	3.54
ECO10_A_30	2.65	2.94	2.93	-0.02	-1.51

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO10_A_40	2.54	2.80	2.80	0.00	-0.47
ECO10_A_50	2.47	2.70	2.70	0.00	0.23
ECO10_A_60	2.41	2.63	2.64	0.01	0.71
ECO10_A_70	2.37	2.57	2.58	0.01	1.14
ECO10_A_95	2.29	2.47	2.49	0.02	1.84
ECO10_A_120	2.24	2.40	2.42	0.02	2.31
ECO10_A_170	2.17	2.30	2.33	0.03	2.90
ECO11_A_15	6.48	7.27	7.45	0.19	6.20
ECO11_A_25	5.70	6.38	6.54	0.17	5.66
ECO11_A_35	5.14	5.73	5.89	0.16	5.25
ECO11_A_45	4.74	5.27	5.42	0.15	4.96
ECO11_A_55	4.46	4.95	5.09	0.14	4.75
ECO11_A_80	3.94	4.34	4.47	0.13	4.35
ECO11_A_105	3.58	3.91	4.04	0.12	4.08
ECO11_A_155	3.13	3.38	3.50	0.11	3.78
ECO11_A_205	2.85	3.05	3.16	0.11	3.63
ECO12_A_10	2.53	2.79	2.77	-0.02	-2.00
ECO12_A_20	2.41	2.62	2.61	-0.01	-0.66
ECO12_A_30	2.33	2.52	2.52	0.00	0.10
ECO12_A_40	2.28	2.46	2.46	0.01	0.62
ECO12_A_50	2.25	2.41	2.42	0.01	1.01
ECO12_A_75	2.19	2.33	2.34	0.02	1.69
ECO12_A_100	2.15	2.27	2.30	0.02	2.16
ECO12_A_150	2.11	2.21	2.24	0.03	2.75
ECO12_A_200	2.08	2.18	2.21	0.03	3.12
ECO13_A_125	3.26	3.66	3.73	0.07	7.21
ECO13_A_150	3.08	3.43	3.49	0.06	6.32
ECO13_A_200	2.80	3.08	3.12	0.05	4.94
ECO14_A_50	4.28	4.47	4.47	0.00	-0.04
ECO14_A_75	3.72	3.88	3.88	0.00	0.01
ECO15_A_20	6.77	7.67	7.86	0.19	19.08
ECO15_A_30	6.18	6.97	7.14	0.17	17.18
ECO15_A_40	5.71	6.43	6.58	0.16	15.50
ECO15_A_50	5.36	6.01	6.15	0.14	14.08
ECO15_A_75	4.72	5.26	5.37	0.11	11.21
ECO15_A_100	4.28	4.75	4.84	0.09	9.03

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO16_A_30	3.83	4.34	4.41	0.08	2.64
ECO16_A_40	3.53	3.97	4.04	0.07	2.34
ECO16_A_50	3.31	3.71	3.77	0.06	2.11
ECO16_A_75	2.94	3.26	3.31	0.05	1.71
ECO16_A_100	2.70	2.97	3.02	0.04	1.44
ECO16_A_150	2.39	2.60	2.63	0.03	1.06
ECO16_A_200	2.20	2.36	2.39	0.02	0.81
ECO17_A_10	1.43	4.53	4.53	0.01	0.25
ECO17_A_20	1.43	3.61	3.61	0.01	0.19
ECO17_A_30	1.43	3.14	3.15	0.00	0.15
ECO17_A_40	1.43	2.83	2.83	0.00	0.13
ECO17_A_50	1.43	2.64	2.64	0.00	0.12
ECO17_A_75	1.43	2.40	2.40	0.00	0.10
ECO17_A_100	1.43	2.20	2.20	0.00	0.08
ECO17_A_150	1.44	1.98	1.98	0.00	0.07
ECO17_A_200	1.44	1.86	1.86	0.00	0.06
ECO17_B_10	1.42	4.10	4.10	0.01	0.22
ECO17_B_20	1.42	3.46	3.47	0.01	0.17
ECO17_B_30	1.42	3.12	3.13	0.00	0.15
ECO17_B_40	1.42	2.87	2.88	0.00	0.13
ECO17_B_50	1.42	2.71	2.72	0.00	0.12
ECO17_B_75	1.42	2.51	2.51	0.00	0.10
ECO17_B_100	1.42	2.32	2.33	0.00	0.09
ECO17_B_150	1.42	2.11	2.12	0.00	0.07
ECO17_B_200	1.42	1.98	1.98	0.00	0.06
ECO17_C_10	2.24	2.31	2.33	0.01	0.35
ECO17_C_20	2.01	2.07	2.08	0.01	0.26
ECO17_C_30	1.87	1.94	1.94	0.01	0.21
ECO17_C_40	1.78	1.84	1.85	0.01	0.18
ECO17_C_50	1.73	1.79	1.79	0.00	0.15
ECO17_C_75	1.66	1.72	1.72	0.00	0.13
ECO17_C_100	1.61	1.66	1.67	0.00	0.10
ECO17_C_150	1.55	1.60	1.61	0.00	0.07
ECO17_C_200	1.51	1.57	1.57	0.00	0.06

Table 4.5.43: Predicted Nitrogen Deposition Changes due to 2042 End of Local Plan Year Traffic

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_A_10	17.97	18.00	18.51	0.51	5.06
ECO1_A_20	17.90	17.93	18.34	0.41	4.11
ECO1_A_30	17.86	17.89	18.25	0.36	3.65
ECO1_A_40	17.83	17.86	18.19	0.33	3.34
ECO1_A_50	17.81	17.83	18.15	0.31	3.12
ECO1_A_75	17.77	17.79	18.06	0.27	2.74
ECO1_A_100	17.74	17.76	18.00	0.25	2.47
ECO1_A_150	17.68	17.69	17.90	0.21	2.06
ECO1_A_200	17.64	17.64	17.82	0.18	1.79
ECO1_B_10	17.77	17.79	18.21	0.42	4.17
ECO1_B_20	17.74	17.76	18.12	0.36	3.62
ECO1_B_30	17.72	17.75	18.08	0.33	3.34
ECO1_B_40	17.72	17.74	18.06	0.32	3.21
ECO1_B_50	17.72	17.74	18.06	0.31	3.12
ECO1_B_75	17.73	17.76	18.07	0.31	3.06
ECO1_B_100	17.76	17.80	18.11	0.31	3.11
ECO1_B_150	17.83	17.87	18.21	0.34	3.43
ECO1_B_200	17.89	17.94	18.32	0.38	3.80
ECO1_C_10	21.55	22.03	22.92	0.89	8.90
ECO1_C_20	20.57	20.95	22.74	1.80	17.98
ECO1_C_30	20.06	20.39	22.59	2.21	22.06
ECO1_C_40	19.70	19.99	22.44	2.45	24.51
ECO1_C_50	19.49	19.75	22.30	2.55	25.51
ECO1_C_75	19.11	19.33	22.02	2.69	26.93
ECO1_C_100	18.88	19.07	21.77	2.70	27.03
ECO1_C_150	18.60	18.75	21.36	2.62	26.17
ECO1_C_200	18.42	18.55	20.98	2.43	24.28
ECO1_D_10	22.37	22.92	22.98	0.06	0.58
ECO1_D_20	21.26	21.69	23.25	1.55	15.54
ECO1_D_30	20.73	21.12	23.55	2.43	24.33
ECO1_D_40	20.36	20.71	23.92	3.21	32.10
ECO1_D_50	20.11	20.43	24.37	3.94	39.43
ECO1_E_10	19.45	19.70	31.67	11.98	119.77
ECO1_E_20	19.52	19.78	28.93	9.15	91.47

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_E_30	19.60	19.87	27.22	7.35	73.50
ECO1_E_40	19.71	19.99	26.11	6.12	61.24
ECO1_E_50	19.81	20.11	25.36	5.25	52.55
ECO1_F_10	19.32	19.56	31.01	11.45	114.49
ECO1_F_20	19.28	19.51	28.41	8.90	89.01
ECO1_F_30	19.24	19.46	26.77	7.31	73.09
ECO1_F_40	19.21	19.43	25.71	6.28	62.84
ECO1_F_50	19.19	19.39	24.93	5.54	55.39
ECO1_F_75	19.14	19.33	23.66	4.32	43.23
ECO1_F_100	19.11	19.30	22.86	3.57	35.67
ECO1_F_150	19.09	19.27	21.92	2.65	26.52
ECO1_F_200	19.12	19.29	21.40	2.11	21.06
ECO1_G_10	46.14	48.05	49.20	1.15	11.45
ECO1_G_20	40.29	41.82	42.86	1.04	10.35
ECO1_G_30	36.75	38.06	39.02	0.97	9.66
ECO1_G_40	34.29	35.44	36.35	0.92	9.16
ECO1_G_50	32.44	33.47	34.34	0.88	8.78
ECO1_G_75	29.25	30.06	30.88	0.82	8.15
ECO1_G_100	27.16	27.83	28.60	0.78	7.77
ECO1_G_150	24.53	25.01	25.76	0.74	7.44
ECO1_G_200	22.87	23.24	23.98	0.74	7.44
ECO1_H_10	57.84	60.18	61.61	1.43	14.27
ECO1_H_20	49.86	51.76	53.00	1.24	12.38
ECO1_H_30	45.24	46.90	48.03	1.13	11.27
ECO1_H_40	42.34	43.86	44.91	1.06	10.57
ECO1_H_50	39.90	41.29	42.28	1.00	9.97
ECO1_H_75	35.83	37.00	37.90	0.89	8.92
ECO1_H_100	32.97	33.99	34.80	0.81	8.14
ECO1_H_150	29.29	30.08	30.78	0.70	6.99
ECO1_H_200	26.79	27.42	28.03	0.61	6.12
ECO2_A_15	44.04	45.82	47.02	1.21	24.13
ECO2_A_25	39.06	40.50	41.61	1.11	22.19
ECO2_A_35	35.94	37.17	38.22	1.05	20.96
ECO2_A_45	33.72	34.82	35.82	1.01	20.10
ECO2_A_55	32.03	33.02	33.99	0.97	19.41
ECO2_A_80	29.04	29.85	30.76	0.92	18.33

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO2_A_105	27.04	27.71	28.59	0.88	17.63
ECO2_A_155	24.44	24.93	25.77	0.84	16.90
ECO3_A	32.66	32.43	36.42	3.98	39.85
ECO3_B_	32.84	32.62	36.02	3.40	34.02
ECO3_C_	33.29	33.08	35.64	2.56	25.58
ECO4_A_10	40.02	40.84	40.97	0.13	1.33
ECO4_A_20	39.66	40.30	40.60	0.29	2.94
ECO4_A_30	39.53	40.07	40.46	0.39	3.86
ECO4_A_40	39.47	39.95	40.40	0.45	4.46
ECO4_A_50	39.48	39.92	40.41	0.49	4.91
ECO4_A_75	39.62	39.99	40.56	0.57	5.68
ECO4_A_100	39.84	40.17	40.79	0.62	6.22
ECO5_A_125	18.74	19.53	19.65	0.11	1.14
ECO5_A_150	18.40	19.06	19.16	0.10	1.00
ECO5_A_200	17.76	18.21	18.28	0.08	0.76
ECO6_A_10	36.54	37.35	38.03	0.68	6.80
ECO6_A_20	34.63	35.21	35.75	0.54	5.38
ECO6_A_30	33.55	34.01	34.47	0.46	4.59
ECO6_A_40	32.82	33.20	33.61	0.41	4.07
ECO6_A_50	32.25	32.56	32.93	0.36	3.65
ECO6_A_75	31.36	31.57	31.86	0.30	2.96
ECO6_A_100	30.79	30.91	31.16	0.25	2.47
ECO6_A_150	30.08	30.10	30.28	0.17	1.74
ECO6_A_200	29.66	29.62	29.76	0.14	1.37
ECO7_A_150	16.43	16.53	16.66	0.13	1.32
ECO7_A_200	16.19	16.23	16.34	0.10	1.04
ECO8_A_10	69.87	64.88	65.00	0.12	1.20
ECO8_A_20	61.85	57.50	57.61	0.12	1.16
ECO8_A_30	57.12	53.21	53.32	0.11	1.09
ECO8_A_40	53.77	50.21	50.32	0.10	1.01
ECO8_A_50	51.03	47.78	47.87	0.09	0.93
ECO8_A_75	46.44	43.73	43.80	0.07	0.75
ECO8_B_10	70.33	64.75	64.98	0.22	2.21
ECO8_B_20	63.72	58.87	59.05	0.18	1.82
ECO8_B_30	58.93	54.62	54.78	0.16	1.57
ECO8_B_40	55.71	51.78	51.92	0.14	1.42

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO8_B_50	53.17	49.54	49.67	0.13	1.29
ECO8_B_75	48.46	45.40	45.51	0.11	1.05
ECO8_B_100	45.11	42.47	42.56	0.09	0.88
ECO9_A_15	51.41	51.57	52.40	0.83	8.28
ECO9_A_25	47.76	47.81	48.53	0.72	7.21
ECO9_A_35	45.29	45.29	45.93	0.65	6.47
ECO9_A_45	43.43	43.39	43.98	0.59	5.87
ECO9_A_55	41.96	41.89	42.43	0.54	5.39
ECO9_A_80	39.31	39.19	39.64	0.44	4.44
ECO9_A_105	37.49	37.32	37.70	0.38	3.75
ECO9_A_155	35.09	34.86	35.13	0.27	2.74
ECO9_A_205	33.58	33.30	33.52	0.21	2.14
ECO9_B_10	64.15	64.69	66.06	1.38	13.76
ECO9_B_20	57.60	57.83	58.95	1.12	11.19
ECO9_B_30	53.63	53.72	54.70	0.98	9.76
ECO9_B_40	50.82	50.85	51.73	0.88	8.78
ECO10_A_30	39.27	40.49	40.43	-0.06	-0.60
ECO10_A_40	38.29	39.32	39.34	0.02	0.18
ECO10_A_50	37.60	38.51	38.58	0.07	0.67
ECO10_A_60	37.13	37.95	38.06	0.10	1.04
ECO10_A_70	36.71	37.45	37.58	0.13	1.32
ECO10_A_95	36.01	36.62	36.80	0.18	1.84
ECO10_A_120	35.54	36.04	36.25	0.22	2.18
ECO10_A_170	34.89	35.25	35.51	0.26	2.58
ECO11_A_15	71.77	73.75	75.27	1.52	15.17
ECO11_A_25	64.90	66.56	67.94	1.39	13.88
ECO11_A_35	59.93	61.36	62.65	1.29	12.90
ECO11_A_45	56.40	57.67	58.88	1.21	12.15
ECO11_A_55	53.89	55.03	56.19	1.17	11.66
ECO11_A_80	49.20	50.10	51.17	1.07	10.68
ECO11_A_105	45.95	46.67	47.67	1.00	10.05
ECO11_A_155	41.91	42.40	43.33	0.93	9.28
ECO11_A_205	39.39	39.73	40.62	0.89	8.93
ECO12_A_10	37.49	38.56	38.45	-0.11	-1.10
ECO12_A_20	36.33	37.16	37.15	-0.01	-0.12
ECO12_A_30	35.66	36.36	36.41	0.05	0.45

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO12_A_40	35.21	35.82	35.91	0.08	0.83
ECO12_A_50	34.88	35.43	35.54	0.11	1.10
ECO12_A_75	34.34	34.77	34.93	0.16	1.60
ECO12_A_100	33.99	34.34	34.53	0.19	1.94
ECO12_A_150	33.60	33.84	34.08	0.23	2.35
ECO12_A_200	33.38	33.57	33.83	0.26	2.61
ECO13_A_125	44.47	44.29	44.89	0.60	5.97
ECO13_A_150	42.64	42.40	42.92	0.52	5.25
ECO13_A_200	39.81	39.49	39.89	0.41	4.08
ECO14_A_50	55.22	52.02	52.05	0.02	0.23
ECO14_A_75	49.74	47.02	47.04	0.02	0.24
ECO15_A_20	79.42	79.55	81.16	1.61	16.06
ECO15_A_30	73.96	73.73	75.18	1.45	14.50
ECO15_A_40	69.62	69.15	70.46	1.31	13.13
ECO15_A_50	66.26	65.64	66.83	1.19	11.93
ECO15_A_75	60.18	59.34	60.29	0.95	9.55
ECO15_A_100	56.01	55.04	55.82	0.77	7.73
ECO16_A_30	29.52	29.89	30.32	0.43	4.32
ECO16_A_40	27.64	27.91	28.29	0.38	3.83
ECO16_A_50	26.26	26.47	26.82	0.35	3.45
ECO16_A_75	23.93	24.05	24.33	0.28	2.82
ECO16_A_100	22.42	22.48	22.72	0.24	2.36
ECO16_A_150	20.46	20.44	20.61	0.17	1.74
ECO16_A_200	19.24	19.17	19.31	0.13	1.34
ECO17_A_10	16.66	31.08	31.12	0.04	0.42
ECO17_A_20	16.05	26.11	26.14	0.03	0.32
ECO17_A_30	15.73	23.60	23.62	0.03	0.27
ECO17_A_40	15.51	21.89	21.91	0.02	0.23
ECO17_A_50	15.37	20.86	20.88	0.02	0.20
ECO17_A_75	15.19	19.54	19.56	0.02	0.17
ECO17_A_100	15.05	18.49	18.50	0.01	0.14
ECO17_A_150	14.90	17.30	17.31	0.01	0.10
ECO17_A_200	14.82	16.61	16.62	0.01	0.10
ECO17_B_10	16.43	28.84	28.88	0.04	0.35
ECO17_B_20	16.00	25.41	25.43	0.03	0.28
ECO17_B_30	15.76	23.58	23.61	0.02	0.24

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO17_B_40	15.58	22.23	22.25	0.02	0.22
ECO17_B_50	15.46	21.37	21.39	0.02	0.20
ECO17_B_75	15.30	20.24	20.25	0.02	0.17
ECO17_B_100	15.16	19.24	19.26	0.01	0.14
ECO17_B_150	15.00	18.11	18.12	0.01	0.12
ECO17_B_200	14.90	17.39	17.40	0.01	0.11
ECO17_C_10	19.34	19.08	19.14	0.06	0.61
ECO17_C_20	17.93	17.78	17.82	0.05	0.45
ECO17_C_30	17.12	17.03	17.07	0.04	0.37
ECO17_C_40	16.59	16.54	16.57	0.03	0.30
ECO17_C_50	16.26	16.24	16.27	0.03	0.26
ECO17_C_75	15.86	15.87	15.90	0.02	0.21
ECO17_C_100	15.52	15.57	15.58	0.02	0.17
ECO17_C_150	15.16	15.25	15.26	0.01	0.12
ECO17_C_200	14.96	15.07	15.08	0.01	0.09

Table 4.5.44: Predicted Acid Deposition Changes due to 2042 End of Local Plan Year Traffic

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_A_10	1.36	1.36	1.40	0.04	3.60
ECO1_A_20	1.36	1.36	1.39	0.03	2.93
ECO1_A_30	1.35	1.35	1.38	0.03	2.60
ECO1_A_40	1.35	1.35	1.38	0.02	2.37
ECO1_A_50	1.35	1.35	1.37	0.02	2.22
ECO1_A_75	1.35	1.35	1.37	0.02	1.95
ECO1_A_100	1.34	1.35	1.36	0.02	1.75
ECO1_A_150	1.34	1.34	1.36	0.01	1.47
ECO1_A_200	1.34	1.34	1.35	0.01	1.27
ECO1_B_10	1.35	1.35	1.38	0.03	2.97
ECO1_B_20	1.34	1.34	1.37	0.03	2.57
ECO1_B_30	1.34	1.34	1.37	0.02	2.38
ECO1_B_40	1.34	1.34	1.37	0.02	2.28
ECO1_B_50	1.34	1.34	1.37	0.02	2.22
ECO1_B_75	1.34	1.34	1.37	0.02	2.18

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_B_100	1.34	1.35	1.37	0.02	2.21
ECO1_B_150	1.35	1.35	1.38	0.02	2.44
ECO1_B_200	1.35	1.36	1.38	0.03	2.70
ECO1_C_10	1.60	1.64	1.70	0.06	6.33
ECO1_C_20	1.54	1.56	1.69	0.13	12.79
ECO1_C_30	1.50	1.52	1.68	0.16	15.70
ECO1_C_40	1.47	1.49	1.67	0.17	17.44
ECO1_C_50	1.46	1.48	1.66	0.18	18.16
ECO1_C_75	1.43	1.45	1.64	0.19	19.16
ECO1_C_100	1.42	1.43	1.62	0.19	19.23
ECO1_C_150	1.40	1.41	1.59	0.19	18.62
ECO1_C_200	1.38	1.39	1.56	0.17	17.28
ECO1_D_10	1.66	1.70	1.70	0.00	0.41
ECO1_D_20	1.58	1.61	1.72	0.11	11.06
ECO1_D_30	1.54	1.57	1.75	0.17	17.31
ECO1_D_40	1.52	1.54	1.77	0.23	22.84
ECO1_D_50	1.50	1.52	1.80	0.28	28.06
ECO1_E_10	1.45	1.47	2.32	0.85	85.23
ECO1_E_20	1.46	1.48	2.13	0.65	65.09
ECO1_E_30	1.46	1.48	2.01	0.52	52.30
ECO1_E_40	1.47	1.49	1.93	0.44	43.58
ECO1_E_50	1.48	1.50	1.87	0.37	37.39
ECO1_F_10	1.44	1.46	2.28	0.81	81.48
ECO1_F_20	1.44	1.46	2.09	0.63	63.34
ECO1_F_30	1.44	1.45	1.97	0.52	52.02
ECO1_F_40	1.44	1.45	1.90	0.45	44.72
ECO1_F_50	1.43	1.45	1.84	0.39	39.42
ECO1_F_75	1.43	1.45	1.75	0.31	30.77
ECO1_F_100	1.43	1.44	1.70	0.25	25.38
ECO1_F_150	1.43	1.44	1.63	0.19	18.87
ECO1_F_200	1.43	1.44	1.59	0.15	14.99
ECO1_G_10	3.35	3.49	3.57	0.08	8.15
ECO1_G_20	2.94	3.05	3.12	0.07	7.37
ECO1_G_30	2.69	2.78	2.85	0.07	6.87
ECO1_G_40	2.51	2.59	2.66	0.07	6.52
ECO1_G_50	2.38	2.45	2.51	0.06	6.25

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_G_75	2.15	2.21	2.27	0.06	5.80
ECO1_G_100	2.00	2.05	2.10	0.06	5.53
ECO1_G_150	1.81	1.85	1.90	0.05	5.30
ECO1_G_200	1.70	1.72	1.78	0.05	5.29
ECO1_H_10	4.18	4.35	4.45	0.10	10.16
ECO1_H_20	3.61	3.75	3.84	0.09	8.81
ECO1_H_30	3.29	3.40	3.48	0.08	8.02
ECO1_H_40	3.08	3.19	3.26	0.08	7.52
ECO1_H_50	2.91	3.00	3.08	0.07	7.10
ECO1_H_75	2.62	2.70	2.76	0.06	6.35
ECO1_H_100	2.41	2.48	2.54	0.06	5.79
ECO1_H_150	2.15	2.21	2.26	0.05	4.97
ECO1_H_200	1.97	2.02	2.06	0.04	4.36
ECO2_A_15	3.20	3.33	3.42	0.09	8.58
ECO2_A_25	2.85	2.95	3.03	0.08	7.90
ECO2_A_35	2.63	2.71	2.79	0.07	7.46
ECO2_A_45	2.47	2.55	2.62	0.07	7.15
ECO2_A_55	2.35	2.42	2.49	0.07	6.91
ECO2_A_80	2.14	2.19	2.26	0.07	6.52
ECO2_A_105	1.99	2.04	2.10	0.06	6.27
ECO2_A_155	1.81	1.84	1.90	0.06	6.01
ECO3_A	2.41	2.39	2.68	0.28	28.36
ECO3_B_	2.42	2.41	2.65	0.24	24.21
ECO3_C_	2.45	2.44	2.62	0.18	18.21
ECO4_A_10	2.95	3.01	3.02	0.01	0.95
ECO4_A_20	2.93	2.97	3.00	0.02	2.09
ECO4_A_30	2.92	2.96	2.99	0.03	2.74
ECO4_A_40	2.92	2.95	2.98	0.03	3.17
ECO4_A_50	2.92	2.95	2.98	0.03	3.49
ECO4_A_75	2.93	2.95	2.99	0.04	4.04
ECO4_A_100	2.94	2.97	3.01	0.04	4.43
ECO5_A_125	1.38	1.43	1.44	0.01	0.81
ECO5_A_150	1.35	1.40	1.41	0.01	0.71
ECO5_A_200	1.31	1.34	1.34	0.01	0.54
ECO6_A_10	2.67	2.73	2.78	0.05	4.84
ECO6_A_20	2.54	2.58	2.62	0.04	3.83

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO6_A_30	2.46	2.49	2.52	0.03	3.27
ECO6_A_40	2.41	2.43	2.46	0.03	2.90
ECO6_A_50	2.37	2.39	2.41	0.03	2.60
ECO6_A_75	2.30	2.32	2.34	0.02	2.11
ECO6_A_100	2.26	2.27	2.29	0.02	1.76
ECO6_A_150	2.21	2.21	2.23	0.01	1.24
ECO6_A_200	2.18	2.18	2.19	0.01	0.97
ECO7_A_150	1.21	1.21	1.22	0.01	0.94
ECO7_A_200	1.19	1.19	1.20	0.01	0.74
ECO8_A_10	5.04	4.69	4.70	0.01	0.86
ECO8_A_20	4.47	4.16	4.17	0.01	0.82
ECO8_A_30	4.14	3.86	3.86	0.01	0.78
ECO8_A_40	3.90	3.64	3.65	0.01	0.72
ECO8_A_50	3.70	3.47	3.48	0.01	0.66
ECO8_A_75	3.38	3.18	3.19	0.01	0.53
ECO8_B_10	5.08	4.68	4.69	0.02	1.57
ECO8_B_20	4.61	4.26	4.27	0.01	1.30
ECO8_B_30	4.26	3.96	3.97	0.01	1.12
ECO8_B_40	4.04	3.75	3.76	0.01	1.01
ECO8_B_50	3.85	3.60	3.60	0.01	0.92
ECO8_B_75	3.52	3.30	3.31	0.01	0.75
ECO8_B_100	3.28	3.09	3.10	0.01	0.63
ECO9_A_15	3.73	3.74	3.80	0.06	5.89
ECO9_A_25	3.47	3.47	3.52	0.05	5.13
ECO9_A_35	3.29	3.29	3.34	0.05	4.60
ECO9_A_45	3.16	3.16	3.20	0.04	4.18
ECO9_A_55	3.06	3.05	3.09	0.04	3.83
ECO9_A_80	2.87	2.86	2.89	0.03	3.16
ECO9_A_105	2.74	2.73	2.75	0.03	2.67
ECO9_A_155	2.57	2.55	2.57	0.02	1.95
ECO9_A_205	2.46	2.44	2.45	0.02	1.53
ECO9_B_10	4.64	4.67	4.77	0.10	9.79
ECO9_B_20	4.17	4.18	4.26	0.08	7.96
ECO9_B_30	3.89	3.89	3.96	0.07	6.95
ECO9_B_40	3.69	3.69	3.75	0.06	6.25
ECO10_A_30	2.91	2.99	2.99	0.00	-0.43

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO10_A_40	2.84	2.91	2.91	0.00	0.13
ECO10_A_50	2.79	2.85	2.86	0.00	0.48
ECO10_A_60	2.75	2.81	2.82	0.01	0.74
ECO10_A_70	2.72	2.78	2.79	0.01	0.94
ECO10_A_95	2.67	2.72	2.73	0.01	1.31
ECO10_A_120	2.64	2.68	2.69	0.02	1.55
ECO10_A_170	2.59	2.62	2.64	0.02	1.84
ECO11_A_15	5.20	5.34	5.45	0.11	10.80
ECO11_A_25	4.71	4.83	4.93	0.10	9.87
ECO11_A_35	4.36	4.46	4.55	0.09	9.18
ECO11_A_45	4.11	4.20	4.28	0.09	8.65
ECO11_A_55	3.93	4.01	4.09	0.08	8.30
ECO11_A_80	3.59	3.66	3.73	0.08	7.60
ECO11_A_105	3.36	3.41	3.49	0.07	7.15
ECO11_A_155	3.08	3.11	3.18	0.07	6.60
ECO11_A_205	2.90	2.92	2.98	0.06	6.35
ECO12_A_10	2.77	2.85	2.84	-0.01	-0.78
ECO12_A_20	2.69	2.75	2.75	0.00	-0.08
ECO12_A_30	2.64	2.69	2.70	0.00	0.32
ECO12_A_40	2.61	2.66	2.66	0.01	0.59
ECO12_A_50	2.59	2.63	2.64	0.01	0.79
ECO12_A_75	2.55	2.58	2.59	0.01	1.14
ECO12_A_100	2.53	2.55	2.56	0.01	1.38
ECO12_A_150	2.50	2.51	2.53	0.02	1.67
ECO12_A_200	2.48	2.50	2.51	0.02	1.86
ECO13_A_125	3.24	3.23	3.27	0.04	4.25
ECO13_A_150	3.11	3.09	3.13	0.04	3.74
ECO13_A_200	2.91	2.88	2.91	0.03	2.91
ECO14_A_50	4.00	3.77	3.78	0.00	0.17
ECO14_A_75	3.61	3.42	3.42	0.00	0.17
ECO15_A_20	5.73	5.74	5.85	0.11	11.43
ECO15_A_30	5.34	5.33	5.43	0.10	10.32
ECO15_A_40	5.03	5.00	5.09	0.09	9.34
ECO15_A_50	4.80	4.75	4.83	0.08	8.49
ECO15_A_75	4.36	4.30	4.37	0.07	6.79
ECO15_A_100	4.07	4.00	4.05	0.06	5.50

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO16_A_30	2.14	2.17	2.20	0.03	3.07
ECO16_A_40	2.01	2.03	2.05	0.03	2.73
ECO16_A_50	1.91	1.92	1.95	0.02	2.46
ECO16_A_75	1.74	1.75	1.77	0.02	2.01
ECO16_A_100	1.64	1.64	1.66	0.02	1.68
ECO16_A_150	1.50	1.50	1.51	0.01	1.24
ECO16_A_200	1.41	1.41	1.41	0.01	0.96
ECO17_A_10	1.20	2.22	2.23	0.00	0.30
ECO17_A_20	1.15	1.87	1.87	0.00	0.23
ECO17_A_30	1.13	1.69	1.69	0.00	0.19
ECO17_A_40	1.11	1.57	1.57	0.00	0.17
ECO17_A_50	1.10	1.50	1.50	0.00	0.14
ECO17_A_75	1.09	1.40	1.40	0.00	0.12
ECO17_A_100	1.08	1.33	1.33	0.00	0.10
ECO17_A_150	1.07	1.24	1.24	0.00	0.07
ECO17_A_200	1.07	1.19	1.19	0.00	0.07
ECO17_B_10	1.27	2.16	2.16	0.00	0.25
ECO17_B_20	1.24	1.91	1.91	0.00	0.20
ECO17_B_30	1.23	1.78	1.78	0.00	0.17
ECO17_B_40	1.21	1.69	1.69	0.00	0.15
ECO17_B_50	1.20	1.62	1.63	0.00	0.14
ECO17_B_75	1.19	1.54	1.55	0.00	0.12
ECO17_B_100	1.18	1.47	1.47	0.00	0.10
ECO17_B_150	1.17	1.39	1.39	0.00	0.09
ECO17_B_200	1.16	1.34	1.34	0.00	0.08
ECO17_C_10	1.39	1.37	1.37	0.00	0.43
ECO17_C_20	1.29	1.28	1.28	0.00	0.32
ECO17_C_30	1.23	1.22	1.23	0.00	0.27
ECO17_C_40	1.19	1.19	1.19	0.00	0.22
ECO17_C_50	1.17	1.17	1.17	0.00	0.18
ECO17_C_75	1.14	1.14	1.14	0.00	0.15
ECO17_C_100	1.12	1.12	1.12	0.00	0.12
ECO17_C_150	1.09	1.10	1.10	0.00	0.08
ECO17_C_200	1.08	1.08	1.08	0.00	0.06

2031 Baseline vs 2031 Opening Year (Do Something) Traffic, with Framework Travel Plan

Table 4.5.45: Predicted NO_x Concentration Changes due to 2031 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_A_10	9.3	6.7	6.9	0.1	0.41
ECO1_A_20	9.2	6.7	6.8	0.1	0.29
ECO1_A_30	9.1	6.7	6.8	0.1	0.23
ECO1_A_40	9.1	6.7	6.8	0.1	0.19
ECO1_A_50	9.0	6.7	6.7	0.1	0.17
ECO1_A_75	9.0	6.7	6.7	0.0	0.13
ECO1_A_100	8.9	6.7	6.7	0.0	0.10
ECO1_A_150	8.8	6.6	6.6	0.0	0.06
ECO1_A_200	8.8	6.6	6.6	0.0	0.04
ECO1_B_10	9.2	6.7	6.8	0.1	0.29
ECO1_B_20	9.1	6.7	6.8	0.1	0.22
ECO1_B_30	9.1	6.7	6.8	0.1	0.18
ECO1_B_40	9.8	7.1	7.2	0.0	0.16
ECO1_B_50	9.8	7.2	7.2	0.0	0.14
ECO1_B_75	9.8	7.2	7.2	0.0	0.12
ECO1_B_100	9.8	7.2	7.2	0.0	0.11
ECO1_B_150	10.0	7.3	7.3	0.0	0.11
ECO1_B_200	10.0	7.3	7.3	0.0	0.13
ECO1_C_10	23.2	16.1	14.8	-1.3	-4.44
ECO1_C_20	21.7	15.3	14.7	-0.6	-1.96
ECO1_C_30	20.9	14.9	14.7	-0.2	-0.76
ECO1_C_40	20.4	14.6	14.6	0.0	0.04
ECO1_C_50	20.0	14.4	14.6	0.1	0.46
ECO1_C_75	19.4	14.1	14.5	0.3	1.16
ECO1_C_100	19.1	13.9	14.4	0.5	1.50
ECO1_C_150	12.1	8.7	9.2	0.5	1.80
ECO1_C_200	11.8	8.5	9.1	0.5	1.83
ECO1_D_10	24.7	16.9	14.9	-2.0	-6.68
ECO1_D_20	23.0	16.0	15.0	-1.0	-3.23
ECO1_D_30	22.1	15.5	15.1	-0.4	-1.36
ECO1_D_40	21.6	15.2	15.3	0.1	0.17
ECO1_D_50	21.2	15.0	15.5	0.5	1.51

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_E_10	20.1	14.5	18.5	4.0	13.48
ECO1_E_20	20.2	14.5	17.4	2.9	9.55
ECO1_E_30	20.4	14.6	16.7	2.1	6.93
ECO1_E_40	20.5	14.7	16.2	1.5	5.07
ECO1_E_50	20.7	14.8	15.9	1.1	3.71
ECO1_F_10	19.9	14.4	18.2	3.8	12.79
ECO1_F_20	19.9	14.3	17.1	2.8	9.30
ECO1_F_30	19.8	14.3	16.4	2.1	7.15
ECO1_F_40	19.8	14.3	16.0	1.7	5.78
ECO1_F_50	19.7	14.2	15.7	1.4	4.81
ECO1_F_75	19.6	14.2	15.2	1.0	3.29
ECO1_F_100	19.6	14.2	14.9	0.7	2.40
ECO1_F_150	19.6	14.1	14.6	0.4	1.44
ECO1_F_200	19.6	14.1	14.4	0.3	0.94
ECO1_G_10	60.9	32.7	33.1	0.4	1.32
ECO1_G_20	51.6	28.4	28.7	0.3	1.12
ECO1_G_30	46.0	25.8	26.1	0.3	0.99
ECO1_G_40	42.1	24.0	24.3	0.3	0.88
ECO1_G_50	39.1	22.6	22.9	0.2	0.80
ECO1_G_75	34.1	20.3	20.5	0.2	0.65
ECO1_G_100	32.2	20.0	20.2	0.2	0.55
ECO1_G_150	28.1	18.1	18.2	0.1	0.41
ECO1_G_200	25.5	16.9	17.0	0.1	0.33
ECO1_H_10	81.1	42.3	43.0	0.6	2.10
ECO1_H_20	63.4	32.7	33.2	0.5	1.69
ECO1_H_30	55.8	29.2	29.6	0.4	1.47
ECO1_H_40	51.1	27.0	27.4	0.4	1.33
ECO1_H_50	47.2	25.1	25.5	0.4	1.22
ECO1_H_75	40.7	22.1	22.4	0.3	1.03
ECO1_H_100	36.1	19.9	20.2	0.3	0.89
ECO1_H_150	30.2	17.2	17.4	0.2	0.70
ECO1_H_200	26.2	15.3	15.5	0.2	0.57
ECO2_A_15	59.0	32.4	32.8	0.4	1.35
ECO2_A_25	51.1	28.8	29.1	0.4	1.17
ECO2_A_35	46.1	26.5	26.8	0.3	1.05
ECO2_A_45	42.6	24.9	25.2	0.3	0.96

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO2_A_55	39.9	23.6	23.9	0.3	0.89
ECO2_A_80	35.2	21.4	21.6	0.2	0.75
ECO2_A_105	32.0	19.9	20.1	0.2	0.65
ECO2_A_155	28.0	18.0	18.2	0.2	0.51
ECO3_A	14.2	9.4	9.4	0.0	-0.16
ECO3_B_	14.5	9.6	9.5	-0.1	-0.22
ECO3_C_	15.3	9.9	9.8	-0.1	-0.45
ECO4_A_10	20.0	12.9	13.2	0.3	1.07
ECO4_A_20	19.7	12.8	13.0	0.3	0.86
ECO4_A_30	19.6	12.8	13.0	0.2	0.76
ECO4_A_40	19.5	12.8	13.0	0.2	0.68
ECO4_A_50	19.5	12.8	13.0	0.2	0.64
ECO4_A_75	19.7	12.9	13.0	0.2	0.56
ECO4_A_100	20.0	13.0	13.1	0.2	0.52
ECO5_A_125	20.2	13.2	13.3	0.1	0.28
ECO5_A_150	19.3	12.6	12.7	0.1	0.25
ECO5_A_200	17.6	11.5	11.6	0.1	0.20
ECO6_A_10	22.6	13.5	13.9	0.4	1.20
ECO6_A_20	19.5	11.9	12.2	0.3	0.94
ECO6_A_30	17.7	11.1	11.3	0.2	0.79
ECO6_A_40	16.5	10.5	10.7	0.2	0.70
ECO6_A_50	15.5	10.0	10.2	0.2	0.62
ECO6_A_75	14.1	9.3	9.4	0.1	0.50
ECO6_A_100	13.1	8.8	8.9	0.1	0.41
ECO6_A_150	12.0	8.2	8.3	0.1	0.31
ECO6_A_200	11.3	7.9	7.9	0.1	0.24
ECO7_A_150	11.9	8.1	8.2	0.1	0.31
ECO7_A_200	11.3	7.8	7.9	0.1	0.25
ECO8_A_10	91.2	45.6	45.9	0.3	0.91
ECO8_A_20	75.4	38.1	38.3	0.2	0.74
ECO8_A_30	66.2	33.7	33.9	0.2	0.64
ECO8_A_40	59.7	30.7	30.9	0.2	0.57
ECO8_A_50	54.5	28.2	28.4	0.2	0.51
ECO8_A_75	45.9	24.1	24.2	0.1	0.41
ECO8_B_10	92.1	45.6	45.9	0.3	0.84
ECO8_B_20	79.0	39.6	39.8	0.2	0.73

Receptor ID	Annual Mean NO_x Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO8_B_30	69.7	35.2	35.4	0.2	0.65
ECO8_B_40	63.5	32.3	32.5	0.2	0.59
ECO8_B_50	58.6	30.0	30.2	0.2	0.54
ECO8_B_75	49.7	25.8	26.0	0.1	0.44
ECO8_B_100	43.4	22.9	23.0	0.1	0.37
ECO9_A_15	52.8	26.8	26.9	0.1	0.39
ECO9_A_25	45.9	23.7	23.8	0.1	0.34
ECO9_A_35	41.3	21.6	21.7	0.1	0.31
ECO9_A_45	37.8	20.0	20.1	0.1	0.28
ECO9_A_55	35.1	18.8	18.8	0.1	0.26
ECO9_A_80	30.2	16.5	16.6	0.1	0.22
ECO9_A_105	26.9	15.0	15.1	0.1	0.18
ECO9_A_155	22.0	12.8	12.8	0.0	0.14
ECO9_A_205	19.2	11.5	11.5	0.0	0.11
ECO9_B_10	77.3	37.7	37.9	0.2	0.56
ECO9_B_20	64.6	32.0	32.1	0.1	0.47
ECO9_B_30	56.9	28.6	28.7	0.1	0.42
ECO9_B_40	51.6	26.2	26.3	0.1	0.38
ECO10_A_30	17.4	11.8	11.9	0.0	0.08
ECO10_A_40	16.4	11.3	11.3	0.0	0.09
ECO10_A_50	15.7	10.9	10.9	0.0	0.09
ECO10_A_60	15.3	10.6	10.6	0.0	0.09
ECO10_A_70	14.9	10.3	10.4	0.0	0.09
ECO10_A_95	14.2	9.9	10.0	0.0	0.09
ECO10_A_120	13.7	9.6	9.7	0.0	0.09
ECO10_A_170	13.1	9.3	9.3	0.0	0.10
ECO11_A_15	53.8	27.6	28.0	0.4	1.30
ECO11_A_25	46.7	24.4	24.7	0.3	1.13
ECO11_A_35	41.6	22.0	22.3	0.3	1.00
ECO11_A_45	38.0	20.4	20.6	0.3	0.90
ECO11_A_55	35.5	19.2	19.4	0.2	0.82
ECO11_A_80	30.7	17.0	17.2	0.2	0.66
ECO11_A_105	27.4	15.4	15.6	0.2	0.55
ECO11_A_155	23.4	13.5	13.6	0.1	0.39
ECO11_A_205	20.8	12.3	12.4	0.1	0.29
ECO12_A_10	15.9	11.0	11.0	0.0	0.07

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO12_A_20	14.7	10.3	10.3	0.0	0.07
ECO12_A_30	14.1	9.9	9.9	0.0	0.08
ECO12_A_40	13.6	9.6	9.6	0.0	0.08
ECO12_A_50	13.3	9.4	9.4	0.0	0.08
ECO12_A_75	12.7	9.1	9.1	0.0	0.09
ECO12_A_100	12.4	8.9	8.9	0.0	0.09
ECO12_A_150	12.0	8.6	8.7	0.0	0.10
ECO12_A_200	11.8	8.5	8.5	0.0	0.11
ECO13_A_125	39.5	20.7	20.8	0.1	0.28
ECO13_A_150	36.1	19.1	19.2	0.1	0.25
ECO13_A_200	30.9	16.7	16.8	0.1	0.20
ECO14_A_50	63.6	32.8	33.0	0.2	0.79
ECO14_A_75	53.2	27.8	28.0	0.2	0.64
ECO15_A_20	111.8	57.1	58.0	0.8	2.77
ECO15_A_30	101.0	51.7	52.4	0.7	2.41
ECO15_A_40	92.5	47.5	48.1	0.6	2.14
ECO15_A_50	85.9	44.2	44.8	0.6	1.93
ECO15_A_75	74.0	38.3	38.7	0.5	1.55
ECO15_A_100	65.9	34.3	34.6	0.4	1.27
ECO16_A_30	54.7	27.2	27.3	0.1	0.35
ECO16_A_40	49.1	24.6	24.7	0.1	0.32
ECO16_A_50	45.0	22.8	22.9	0.1	0.29
ECO16_A_75	38.1	19.7	19.8	0.1	0.25
ECO16_A_100	33.7	17.7	17.8	0.1	0.21
ECO16_A_150	27.9	15.2	15.2	0.1	0.17
ECO16_A_200	24.4	13.6	13.6	0.0	0.13
ECO17_A_10	46.6	26.2	26.2	0.0	0.05
ECO17_A_20	36.5	21.3	21.4	0.0	0.04
ECO17_A_30	31.4	18.9	18.9	0.0	0.03
ECO17_A_40	28.0	17.2	17.2	0.0	0.03
ECO17_A_50	25.9	16.2	16.2	0.0	0.02
ECO17_A_75	23.2	14.9	14.9	0.0	0.02
ECO17_A_100	21.1	13.9	13.9	0.0	0.02
ECO17_A_150	18.7	12.7	12.7	0.0	0.02
ECO17_A_200	17.4	12.1	12.1	0.0	0.01
ECO17_B_10	42.7	24.7	24.7	0.0	0.04

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO17_B_20	35.8	21.4	21.4	0.0	0.03
ECO17_B_30	32.1	19.6	19.6	0.0	0.03
ECO17_B_40	29.3	18.3	18.3	0.0	0.02
ECO17_B_50	27.6	17.4	17.4	0.0	0.02
ECO17_B_75	25.3	16.3	16.3	0.0	0.02
ECO17_B_100	23.3	15.4	15.4	0.0	0.02
ECO17_B_150	21.1	14.3	14.3	0.0	0.02
ECO17_B_200	19.7	13.6	13.6	0.0	0.01
ECO17_C_10	20.7	13.3	13.3	0.0	0.10
ECO17_C_20	18.1	12.1	12.1	0.0	0.07
ECO17_C_30	16.5	11.4	11.4	0.0	0.06
ECO17_C_40	15.5	10.9	10.9	0.0	0.05
ECO17_C_50	14.9	10.7	10.7	0.0	0.04
ECO17_C_75	14.2	10.3	10.3	0.0	0.03
ECO17_C_100	13.6	10.0	10.0	0.0	0.03
ECO17_C_150	12.9	9.7	9.7	0.0	0.02
ECO17_C_200	12.5	9.6	9.6	0.0	0.02

Table 4.5.46: Predicted NH_3 Concentration Changes due to 2031 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_A_10	1.79	1.78	1.82	0.03	1.07
ECO1_A_20	1.77	1.78	1.80	0.02	0.74
ECO1_A_30	1.77	1.78	1.79	0.02	0.59
ECO1_A_40	1.76	1.77	1.79	0.01	0.49
ECO1_A_50	1.76	1.77	1.78	0.01	0.43
ECO1_A_75	1.75	1.77	1.77	0.01	0.31
ECO1_A_100	1.75	1.76	1.77	0.01	0.24
ECO1_A_150	1.74	1.75	1.76	0.00	0.15
ECO1_A_200	1.73	1.74	1.75	0.00	0.10
ECO1_B_10	1.77	1.78	1.80	0.02	0.75
ECO1_B_20	1.77	1.78	1.79	0.02	0.54
ECO1_B_30	1.77	1.78	1.79	0.01	0.44
ECO1_B_40	1.77	1.78	1.79	0.01	0.38
ECO1_B_50	1.77	1.78	1.79	0.01	0.33

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_B_75	1.77	1.78	1.79	0.01	0.26
ECO1_B_100	1.77	1.79	1.80	0.01	0.23
ECO1_B_150	1.78	1.80	1.81	0.01	0.19
ECO1_B_200	1.80	1.82	1.82	0.01	0.19
ECO1_C_10	2.50	2.57	2.22	-0.35	-11.65
ECO1_C_20	2.33	2.39	2.21	-0.19	-6.19
ECO1_C_30	2.25	2.30	2.20	-0.11	-3.54
ECO1_C_40	2.18	2.24	2.18	-0.05	-1.77
ECO1_C_50	2.15	2.20	2.17	-0.02	-0.82
ECO1_C_75	2.08	2.13	2.15	0.02	0.75
ECO1_C_100	2.04	2.09	2.13	0.05	1.53
ECO1_C_150	2.00	2.03	2.10	0.07	2.25
ECO1_C_200	1.97	2.00	2.07	0.07	2.40
ECO1_D_10	2.68	2.76	2.27	-0.49	-16.44
ECO1_D_20	2.49	2.56	2.29	-0.27	-8.94
ECO1_D_30	2.40	2.46	2.31	-0.15	-4.93
ECO1_D_40	2.34	2.39	2.34	-0.05	-1.66
ECO1_D_50	2.29	2.35	2.38	0.03	1.15
ECO1_E_10	2.18	2.23	3.01	0.78	26.10
ECO1_E_20	2.19	2.24	2.77	0.53	17.73
ECO1_E_30	2.21	2.26	2.63	0.37	12.32
ECO1_E_40	2.22	2.28	2.53	0.25	8.49
ECO1_E_50	2.24	2.30	2.47	0.17	5.73
ECO1_F_10	2.16	2.21	2.94	0.73	24.47
ECO1_F_20	2.15	2.20	2.73	0.53	17.61
ECO1_F_30	2.15	2.19	2.59	0.40	13.39
ECO1_F_40	2.14	2.19	2.51	0.32	10.76
ECO1_F_50	2.14	2.18	2.45	0.27	8.90
ECO1_F_75	2.13	2.17	2.35	0.18	5.97
ECO1_F_100	2.12	2.17	2.29	0.13	4.29
ECO1_F_150	2.12	2.16	2.24	0.07	2.47
ECO1_F_200	2.12	2.17	2.21	0.05	1.56
ECO1_G_10	6.81	7.15	7.26	0.11	3.68
ECO1_G_20	5.78	6.06	6.15	0.09	3.03
ECO1_G_30	5.16	5.40	5.48	0.08	2.62
ECO1_G_40	4.74	4.95	5.02	0.07	2.32

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_G_50	4.42	4.61	4.67	0.06	2.09
ECO1_G_75	3.86	4.02	4.07	0.05	1.67
ECO1_G_100	3.50	3.63	3.68	0.04	1.39
ECO1_G_150	3.05	3.15	3.18	0.03	1.01
ECO1_G_200	2.77	2.85	2.87	0.02	0.77
ECO1_H_10	9.01	9.38	9.53	0.15	5.02
ECO1_H_20	7.60	7.91	8.04	0.12	4.14
ECO1_H_30	6.78	7.07	7.18	0.11	3.63
ECO1_H_40	6.28	6.54	6.64	0.10	3.31
ECO1_H_50	5.85	6.09	6.19	0.09	3.04
ECO1_H_75	5.14	5.35	5.43	0.08	2.58
ECO1_H_100	4.64	4.83	4.90	0.07	2.24
ECO1_H_150	4.01	4.16	4.21	0.05	1.79
ECO1_H_200	3.57	3.70	3.74	0.04	1.48
ECO2_A_15	6.44	6.76	6.87	0.11	3.65
ECO2_A_25	5.57	5.83	5.92	0.09	3.08
ECO2_A_35	5.02	5.25	5.33	0.08	2.72
ECO2_A_45	4.64	4.84	4.91	0.07	2.45
ECO2_A_55	4.34	4.53	4.60	0.07	2.24
ECO2_A_80	3.83	3.98	4.04	0.06	1.86
ECO2_A_105	3.48	3.61	3.66	0.05	1.58
ECO2_A_155	3.04	3.14	3.17	0.04	1.20
ECO3_A	2.06	2.10	2.10	0.00	0.04
ECO3_B_	2.07	2.12	2.12	0.00	-0.27
ECO3_C_	2.12	2.17	2.16	-0.01	-1.31
ECO4_A_10	2.77	2.80	2.90	0.09	9.03
ECO4_A_20	2.73	2.77	2.85	0.07	7.20
ECO4_A_30	2.71	2.76	2.83	0.06	6.25
ECO4_A_40	2.71	2.76	2.82	0.06	5.59
ECO4_A_50	2.71	2.76	2.82	0.05	5.17
ECO4_A_75	2.72	2.78	2.83	0.05	4.50
ECO4_A_100	2.75	2.81	2.85	0.04	4.12
ECO5_A_125	2.16	2.33	2.34	0.01	0.24
ECO5_A_150	2.10	2.25	2.26	0.01	0.21
ECO5_A_200	2.00	2.12	2.12	0.01	0.17
ECO6_A_10	2.34	2.43	2.46	0.03	3.10

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO6_A_20	2.15	2.22	2.25	0.02	2.45
ECO6_A_30	2.04	2.10	2.13	0.02	2.08
ECO6_A_40	1.97	2.03	2.04	0.02	1.84
ECO6_A_50	1.91	1.96	1.98	0.02	1.64
ECO6_A_75	1.82	1.87	1.88	0.01	1.33
ECO6_A_100	1.77	1.80	1.81	0.01	1.11
ECO6_A_150	1.70	1.73	1.73	0.01	0.83
ECO6_A_200	1.66	1.68	1.68	0.01	0.65
ECO7_A_150	1.81	1.83	1.84	0.01	0.30
ECO7_A_200	1.77	1.79	1.80	0.01	0.24
ECO8_A_10	5.80	5.87	5.89	0.02	2.09
ECO8_A_20	4.95	5.01	5.02	0.02	1.70
ECO8_A_30	4.45	4.51	4.52	0.01	1.49
ECO8_A_40	4.11	4.16	4.17	0.01	1.34
ECO8_A_50	3.83	3.88	3.89	0.01	1.22
ECO8_A_75	3.37	3.41	3.42	0.01	1.00
ECO8_B_10	5.85	5.86	5.88	0.02	1.64
ECO8_B_20	5.14	5.17	5.19	0.02	1.50
ECO8_B_30	4.64	4.68	4.69	0.01	1.38
ECO8_B_40	4.31	4.34	4.36	0.01	1.29
ECO8_B_50	4.05	4.08	4.10	0.01	1.20
ECO8_B_75	3.57	3.60	3.61	0.01	1.02
ECO8_B_100	3.23	3.26	3.27	0.01	0.87
ECO9_A_15	3.84	4.09	4.12	0.04	1.19
ECO9_A_25	3.47	3.68	3.71	0.03	1.02
ECO9_A_35	3.22	3.41	3.44	0.03	0.90
ECO9_A_45	3.04	3.21	3.23	0.02	0.81
ECO9_A_55	2.89	3.05	3.07	0.02	0.74
ECO9_A_80	2.63	2.76	2.77	0.02	0.60
ECO9_A_105	2.45	2.56	2.57	0.02	0.51
ECO9_A_155	2.22	2.30	2.31	0.01	0.38
ECO9_A_205	2.07	2.13	2.14	0.01	0.29
ECO9_B_10	5.16	5.53	5.58	0.05	1.75
ECO9_B_20	4.48	4.78	4.82	0.04	1.45
ECO9_B_30	4.07	4.33	4.37	0.04	1.27
ECO9_B_40	3.78	4.02	4.05	0.03	1.14

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO10_A_30	2.65	2.81	2.80	-0.01	-0.76
ECO10_A_40	2.54	2.68	2.68	-0.01	-0.50
ECO10_A_50	2.47	2.59	2.59	0.00	-0.32
ECO10_A_60	2.41	2.53	2.53	0.00	-0.21
ECO10_A_70	2.37	2.48	2.47	0.00	-0.10
ECO10_A_95	2.29	2.38	2.39	0.00	0.07
ECO10_A_120	2.24	2.32	2.32	0.00	0.19
ECO10_A_170	2.17	2.24	2.24	0.00	0.34
ECO11_A_15	6.48	6.83	6.95	0.12	3.90
ECO11_A_25	5.70	6.00	6.10	0.10	3.37
ECO11_A_35	5.14	5.40	5.49	0.09	2.95
ECO11_A_45	4.74	4.98	5.06	0.08	2.65
ECO11_A_55	4.46	4.68	4.75	0.07	2.41
ECO11_A_80	3.94	4.12	4.18	0.06	1.95
ECO11_A_105	3.58	3.73	3.78	0.05	1.62
ECO11_A_155	3.13	3.24	3.28	0.03	1.17
ECO11_A_205	2.85	2.94	2.97	0.03	0.87
ECO12_A_10	2.53	2.67	2.67	-0.01	-0.63
ECO12_A_20	2.41	2.52	2.52	0.00	-0.29
ECO12_A_30	2.33	2.43	2.43	0.00	-0.10
ECO12_A_40	2.28	2.37	2.37	0.00	0.03
ECO12_A_50	2.25	2.33	2.33	0.00	0.13
ECO12_A_75	2.19	2.26	2.26	0.00	0.31
ECO12_A_100	2.15	2.21	2.22	0.00	0.43
ECO12_A_150	2.11	2.16	2.16	0.01	0.59
ECO12_A_200	2.08	2.13	2.13	0.01	0.70
ECO13_A_125	3.26	3.43	3.45	0.02	2.36
ECO13_A_150	3.08	3.23	3.25	0.02	2.07
ECO13_A_200	2.80	2.92	2.93	0.02	1.62
ECO14_A_50	4.28	4.34	4.37	0.02	2.39
ECO14_A_75	3.72	3.77	3.79	0.02	1.96
ECO15_A_20	6.77	7.17	7.26	0.09	9.47
ECO15_A_30	6.18	6.53	6.61	0.08	8.09
ECO15_A_40	5.71	6.03	6.10	0.07	7.06
ECO15_A_50	5.36	5.64	5.71	0.06	6.30
ECO15_A_75	4.72	4.95	5.00	0.05	4.94

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2031 Baseline	2031 With Development		
ECO15_A_100	4.28	4.49	4.53	0.04	3.98
ECO16_A_30	3.83	4.04	4.06	0.03	0.95
ECO16_A_40	3.53	3.71	3.73	0.02	0.83
ECO16_A_50	3.31	3.47	3.49	0.02	0.75
ECO16_A_75	2.94	3.07	3.09	0.02	0.61
ECO16_A_100	2.70	2.81	2.83	0.02	0.51
ECO16_A_150	2.39	2.47	2.49	0.01	0.38
ECO16_A_200	2.20	2.27	2.28	0.01	0.30
ECO17_A_10	1.43	4.34	4.34	0.00	0.08
ECO17_A_20	1.43	3.48	3.48	0.00	0.06
ECO17_A_30	1.43	3.04	3.04	0.00	0.05
ECO17_A_40	1.43	2.74	2.74	0.00	0.04
ECO17_A_50	1.43	2.56	2.56	0.00	0.04
ECO17_A_75	1.43	2.33	2.33	0.00	0.03
ECO17_A_100	1.43	2.15	2.15	0.00	0.03
ECO17_A_150	1.44	1.94	1.94	0.00	0.02
ECO17_A_200	1.44	1.83	1.83	0.00	0.02
ECO17_B_10	1.42	3.94	3.94	0.00	0.07
ECO17_B_20	1.42	3.34	3.34	0.00	0.06
ECO17_B_30	1.42	3.02	3.02	0.00	0.05
ECO17_B_40	1.42	2.78	2.78	0.00	0.04
ECO17_B_50	1.42	2.63	2.63	0.00	0.04
ECO17_B_75	1.42	2.44	2.44	0.00	0.03
ECO17_B_100	1.42	2.26	2.26	0.00	0.03
ECO17_B_150	1.42	2.07	2.07	0.00	0.02
ECO17_B_200	1.42	1.94	1.94	0.00	0.02
ECO17_C_10	2.24	2.26	2.26	0.00	0.11
ECO17_C_20	2.01	2.03	2.03	0.00	0.08
ECO17_C_30	1.87	1.90	1.90	0.00	0.07
ECO17_C_40	1.78	1.82	1.82	0.00	0.05
ECO17_C_50	1.73	1.76	1.76	0.00	0.05
ECO17_C_75	1.66	1.70	1.70	0.00	0.04
ECO17_C_100	1.61	1.65	1.65	0.00	0.03
ECO17_C_150	1.55	1.59	1.59	0.00	0.02
ECO17_C_200	1.51	1.56	1.56	0.00	0.02

Table 4.5.47: Predicted Nitrogen Deposition Changes due to 2031 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_A_10	17.97	17.82	17.99	0.17	1.72
ECO1_A_20	17.90	17.79	17.91	0.12	1.20
ECO1_A_30	17.86	17.77	17.87	0.09	0.95
ECO1_A_40	17.83	17.76	17.84	0.08	0.79
ECO1_A_50	17.81	17.74	17.81	0.07	0.68
ECO1_A_75	17.77	17.72	17.77	0.05	0.50
ECO1_A_100	17.74	17.69	17.73	0.04	0.40
ECO1_A_150	17.68	17.65	17.67	0.02	0.23
ECO1_A_200	17.64	17.61	17.62	0.02	0.15
ECO1_B_10	17.77	17.66	17.78	0.12	1.21
ECO1_B_20	17.74	17.65	17.74	0.09	0.87
ECO1_B_30	17.72	17.65	17.72	0.07	0.69
ECO1_B_40	17.72	17.66	17.72	0.06	0.60
ECO1_B_50	17.72	17.66	17.72	0.05	0.53
ECO1_B_75	17.73	17.69	17.73	0.04	0.42
ECO1_B_100	17.76	17.72	17.76	0.04	0.38
ECO1_B_150	17.83	17.80	17.83	0.03	0.33
ECO1_B_200	17.89	17.86	17.89	0.03	0.32
ECO1_C_10	21.55	21.57	19.66	-1.91	-19.14
ECO1_C_20	20.57	20.59	19.58	-1.01	-10.09
ECO1_C_30	20.06	20.08	19.51	-0.57	-5.69
ECO1_C_40	19.70	19.71	19.44	-0.28	-2.76
ECO1_C_50	19.49	19.50	19.38	-0.12	-1.18
ECO1_C_75	19.11	19.11	19.26	0.14	1.41
ECO1_C_100	18.88	18.88	19.15	0.27	2.72
ECO1_C_150	18.60	18.59	18.98	0.39	3.91
ECO1_C_200	18.42	18.41	18.82	0.41	4.15
ECO1_D_10	22.37	22.39	19.68	-2.71	-27.10
ECO1_D_20	21.26	21.27	19.80	-1.46	-14.65
ECO1_D_30	20.73	20.74	19.94	-0.80	-7.99
ECO1_D_40	20.36	20.37	20.12	-0.25	-2.55
ECO1_D_50	20.11	20.11	20.33	0.21	2.12
ECO1_E_10	19.45	19.45	23.81	4.36	43.63
ECO1_E_20	19.52	19.52	22.50	2.97	29.74

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_E_30	19.60	19.61	21.68	2.07	20.73
ECO1_E_40	19.71	19.71	21.15	1.44	14.36
ECO1_E_50	19.81	19.82	20.80	0.98	9.75
ECO1_F_10	19.32	19.33	23.42	4.10	40.95
ECO1_F_20	19.28	19.28	22.23	2.95	29.50
ECO1_F_30	19.24	19.24	21.49	2.25	22.46
ECO1_F_40	19.21	19.21	21.02	1.80	18.05
ECO1_F_50	19.19	19.18	20.68	1.49	14.94
ECO1_F_75	19.14	19.13	20.14	1.00	10.03
ECO1_F_100	19.11	19.10	19.82	0.72	7.22
ECO1_F_150	19.09	19.08	19.50	0.42	4.18
ECO1_F_200	19.12	19.11	19.37	0.26	2.64
ECO1_G_10	46.14	46.38	46.98	0.60	6.00
ECO1_G_20	40.29	40.44	40.93	0.50	4.96
ECO1_G_30	36.75	36.85	37.28	0.43	4.29
ECO1_G_40	34.29	34.36	34.74	0.38	3.81
ECO1_G_50	32.44	32.49	32.83	0.34	3.44
ECO1_G_75	29.25	29.27	29.55	0.28	2.75
ECO1_G_100	27.16	27.16	27.39	0.23	2.28
ECO1_G_150	24.53	24.51	24.68	0.17	1.66
ECO1_G_200	22.87	22.84	22.97	0.13	1.27
ECO1_H_10	57.84	57.83	58.65	0.82	8.21
ECO1_H_20	49.86	49.84	50.52	0.68	6.77
ECO1_H_30	45.24	45.22	45.82	0.59	5.95
ECO1_H_40	42.34	42.33	42.87	0.54	5.44
ECO1_H_50	39.90	39.89	40.38	0.50	4.97
ECO1_H_75	35.83	35.82	36.24	0.42	4.23
ECO1_H_100	32.97	32.96	33.33	0.37	3.69
ECO1_H_150	29.29	29.27	29.56	0.29	2.94
ECO1_H_200	26.79	26.75	27.00	0.24	2.43
ECO2_A_15	44.04	44.24	44.84	0.60	11.94
ECO2_A_25	39.06	39.18	39.68	0.50	10.09
ECO2_A_35	35.94	36.01	36.46	0.45	8.90
ECO2_A_45	33.72	33.77	34.17	0.40	8.03
ECO2_A_55	32.03	32.07	32.43	0.37	7.33
ECO2_A_80	29.04	29.06	29.37	0.31	6.11

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO2_A_105	27.04	27.04	27.30	0.26	5.20
ECO2_A_155	24.44	24.43	24.63	0.20	3.96
ECO3_A	32.66	32.43	32.42	0.00	-0.03
ECO3_B_	32.84	32.61	32.58	-0.03	-0.32
ECO3_C_	33.29	33.07	32.96	-0.12	-1.19
ECO4_A_10	40.02	39.40	40.16	0.75	7.50
ECO4_A_20	39.66	39.14	39.74	0.60	5.99
ECO4_A_30	39.53	39.06	39.58	0.52	5.22
ECO4_A_40	39.47	39.04	39.50	0.46	4.65
ECO4_A_50	39.48	39.06	39.50	0.43	4.32
ECO4_A_75	39.62	39.24	39.61	0.37	3.74
ECO4_A_100	39.84	39.48	39.82	0.34	3.45
ECO5_A_125	18.74	19.25	19.30	0.04	0.43
ECO5_A_150	18.40	18.81	18.85	0.04	0.39
ECO5_A_200	17.76	18.02	18.05	0.03	0.30
ECO6_A_10	36.54	36.11	36.40	0.29	2.94
ECO6_A_20	34.63	34.25	34.48	0.23	2.31
ECO6_A_30	33.55	33.20	33.40	0.20	1.97
ECO6_A_40	32.82	32.50	32.67	0.17	1.72
ECO6_A_50	32.25	31.94	32.10	0.16	1.57
ECO6_A_75	31.36	31.08	31.21	0.12	1.24
ECO6_A_100	30.79	30.52	30.63	0.10	1.04
ECO6_A_150	30.08	29.83	29.90	0.08	0.76
ECO6_A_200	29.66	29.41	29.47	0.06	0.62
ECO7_A_150	16.43	16.34	16.39	0.05	0.54
ECO7_A_200	16.19	16.09	16.13	0.04	0.43
ECO8_A_10	69.87	66.21	66.41	0.19	1.95
ECO8_A_20	61.85	58.60	58.76	0.16	1.59
ECO8_A_30	57.12	54.17	54.31	0.14	1.39
ECO8_A_40	53.77	51.06	51.18	0.12	1.25
ECO8_A_50	51.03	48.53	48.65	0.11	1.15
ECO8_A_75	46.44	44.32	44.42	0.10	0.95
ECO8_B_10	70.33	66.17	66.33	0.16	1.57
ECO8_B_20	63.72	60.07	60.22	0.14	1.43
ECO8_B_30	58.93	55.66	55.79	0.13	1.31
ECO8_B_40	55.71	52.71	52.83	0.12	1.20

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO8_B_50	53.17	50.38	50.50	0.12	1.17
ECO8_B_75	48.46	46.08	46.18	0.10	0.97
ECO8_B_100	45.11	43.04	43.12	0.08	0.83
ECO9_A_15	51.41	50.44	50.73	0.29	2.94
ECO9_A_25	47.76	46.85	47.10	0.25	2.53
ECO9_A_35	45.29	44.45	44.67	0.23	2.25
ECO9_A_45	43.43	42.64	42.84	0.20	2.01
ECO9_A_55	41.96	41.21	41.40	0.18	1.84
ECO9_A_80	39.31	38.65	38.80	0.15	1.50
ECO9_A_105	37.49	36.88	37.01	0.13	1.27
ECO9_A_155	35.09	34.56	34.65	0.09	0.94
ECO9_A_205	33.58	33.10	33.17	0.07	0.71
ECO9_B_10	64.15	63.03	63.46	0.43	4.30
ECO9_B_20	57.60	56.49	56.85	0.36	3.56
ECO9_B_30	53.63	52.56	52.87	0.31	3.11
ECO9_B_40	50.82	49.81	50.09	0.28	2.81
ECO10_A_30	39.27	39.81	39.75	-0.06	-0.56
ECO10_A_40	38.29	38.73	38.69	-0.04	-0.36
ECO10_A_50	37.60	37.97	37.95	-0.02	-0.22
ECO10_A_60	37.13	37.45	37.44	-0.01	-0.13
ECO10_A_70	36.71	36.99	36.98	0.00	-0.02
ECO10_A_95	36.01	36.22	36.23	0.01	0.09
ECO10_A_120	35.54	35.68	35.70	0.02	0.21
ECO10_A_170	34.89	34.96	34.99	0.03	0.29
ECO11_A_15	71.77	71.66	72.62	0.96	9.65
ECO11_A_25	64.90	64.76	65.59	0.83	8.34
ECO11_A_35	59.93	59.79	60.52	0.73	7.32
ECO11_A_45	56.40	56.25	56.91	0.66	6.57
ECO11_A_55	53.89	53.74	54.34	0.60	5.96
ECO11_A_80	49.20	49.05	49.54	0.49	4.86
ECO11_A_105	45.95	45.80	46.20	0.40	4.01
ECO11_A_155	41.91	41.76	42.05	0.29	2.90
ECO11_A_205	39.39	39.23	39.45	0.22	2.18
ECO12_A_10	37.49	37.96	37.91	-0.05	-0.46
ECO12_A_20	36.33	36.66	36.64	-0.02	-0.20
ECO12_A_30	35.66	35.92	35.92	0.00	-0.05

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO12_A_40	35.21	35.43	35.43	0.01	0.06
ECO12_A_50	34.88	35.06	35.08	0.01	0.13
ECO12_A_75	34.34	34.45	34.48	0.03	0.27
ECO12_A_100	33.99	34.06	34.10	0.04	0.39
ECO12_A_150	33.60	33.60	33.65	0.05	0.49
ECO12_A_200	33.38	33.35	33.41	0.06	0.58
ECO13_A_125	44.47	43.58	43.78	0.20	1.95
ECO13_A_150	42.64	41.79	41.96	0.17	1.70
ECO13_A_200	39.81	39.03	39.17	0.14	1.35
ECO14_A_50	55.22	52.44	52.66	0.22	2.15
ECO14_A_75	49.74	47.37	47.55	0.18	1.79
ECO15_A_20	79.42	78.04	78.86	0.83	8.25
ECO15_A_30	73.96	72.46	73.17	0.71	7.11
ECO15_A_40	69.62	68.06	68.69	0.63	6.25
ECO15_A_50	66.26	64.68	65.24	0.56	5.58
ECO15_A_75	60.18	58.60	59.04	0.44	4.43
ECO15_A_100	56.01	54.45	54.81	0.36	3.59
ECO16_A_30	29.52	29.07	29.22	0.15	1.55
ECO16_A_40	27.64	27.20	27.33	0.14	1.37
ECO16_A_50	26.26	25.84	25.96	0.12	1.22
ECO16_A_75	23.93	23.54	23.64	0.10	0.99
ECO16_A_100	22.42	22.06	22.15	0.08	0.84
ECO16_A_150	20.46	20.14	20.20	0.06	0.63
ECO16_A_200	19.24	18.95	19.00	0.05	0.50
ECO17_A_10	16.66	30.64	30.65	0.01	0.14
ECO17_A_20	16.05	25.81	25.82	0.01	0.10
ECO17_A_30	15.73	23.36	23.37	0.01	0.08
ECO17_A_40	15.51	21.69	21.70	0.01	0.07
ECO17_A_50	15.37	20.69	20.69	0.01	0.06
ECO17_A_75	15.19	19.40	19.41	0.01	0.06
ECO17_A_100	15.05	18.38	18.38	0.00	0.04
ECO17_A_150	14.90	17.22	17.23	0.00	0.03
ECO17_A_200	14.82	16.56	16.56	0.00	0.03
ECO17_B_10	16.43	28.48	28.49	0.01	0.13
ECO17_B_20	16.00	25.12	25.14	0.01	0.10
ECO17_B_30	15.76	23.35	23.35	0.01	0.08

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO17_B_40	15.58	22.02	22.03	0.01	0.08
ECO17_B_50	15.46	21.19	21.19	0.01	0.06
ECO17_B_75	15.30	20.08	20.09	0.01	0.07
ECO17_B_100	15.16	19.11	19.12	0.00	0.04
ECO17_B_150	15.00	18.01	18.02	0.00	0.05
ECO17_B_200	14.90	17.32	17.32	0.00	0.03
ECO17_C_10	19.34	18.97	18.99	0.02	0.20
ECO17_C_20	17.93	17.70	17.71	0.02	0.16
ECO17_C_30	17.12	16.97	16.98	0.01	0.12
ECO17_C_40	16.59	16.50	16.51	0.01	0.10
ECO17_C_50	16.26	16.20	16.21	0.01	0.09
ECO17_C_75	15.86	15.84	15.85	0.01	0.06
ECO17_C_100	15.52	15.54	15.55	0.00	0.05
ECO17_C_150	15.16	15.23	15.24	0.00	0.04
ECO17_C_200	14.96	15.06	15.07	0.00	0.03

Table 4.5.48: Predicted Acid Deposition Changes due to 2031 Opening Year Traffic, With Framework Travel Plan

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_A_10	1.36	1.35	1.36	0.01	1.23
ECO1_A_20	1.36	1.35	1.36	0.01	0.85
ECO1_A_30	1.35	1.35	1.35	0.01	0.67
ECO1_A_40	1.35	1.35	1.35	0.01	0.56
ECO1_A_50	1.35	1.34	1.35	0.00	0.48
ECO1_A_75	1.35	1.34	1.35	0.00	0.36
ECO1_A_100	1.34	1.34	1.34	0.00	0.28
ECO1_A_150	1.34	1.34	1.34	0.00	0.16
ECO1_A_200	1.34	1.33	1.34	0.00	0.11
ECO1_B_10	1.35	1.34	1.35	0.01	0.86
ECO1_B_20	1.34	1.34	1.34	0.01	0.62
ECO1_B_30	1.34	1.34	1.34	0.00	0.49
ECO1_B_40	1.34	1.34	1.34	0.00	0.43
ECO1_B_50	1.34	1.34	1.34	0.00	0.38
ECO1_B_75	1.34	1.34	1.34	0.00	0.30

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_B_100	1.34	1.34	1.34	0.00	0.27
ECO1_B_150	1.35	1.35	1.35	0.00	0.23
ECO1_B_200	1.35	1.35	1.35	0.00	0.23
ECO1_C_10	1.60	1.61	1.47	-0.14	-13.62
ECO1_C_20	1.54	1.54	1.46	-0.07	-7.18
ECO1_C_30	1.50	1.50	1.46	-0.04	-4.05
ECO1_C_40	1.47	1.47	1.45	-0.02	-1.96
ECO1_C_50	1.46	1.46	1.45	-0.01	-0.84
ECO1_C_75	1.43	1.43	1.44	0.01	1.01
ECO1_C_100	1.42	1.41	1.43	0.02	1.94
ECO1_C_150	1.40	1.39	1.42	0.03	2.79
ECO1_C_200	1.38	1.38	1.41	0.03	2.95
ECO1_D_10	1.66	1.66	1.47	-0.19	-19.28
ECO1_D_20	1.58	1.58	1.48	-0.10	-10.42
ECO1_D_30	1.54	1.55	1.49	-0.06	-5.69
ECO1_D_40	1.52	1.52	1.50	-0.02	-1.81
ECO1_D_50	1.50	1.50	1.52	0.02	1.51
ECO1_E_10	1.45	1.45	1.76	0.31	31.05
ECO1_E_20	1.46	1.46	1.67	0.21	21.16
ECO1_E_30	1.46	1.46	1.61	0.15	14.76
ECO1_E_40	1.47	1.47	1.57	0.10	10.22
ECO1_E_50	1.48	1.48	1.55	0.07	6.94
ECO1_F_10	1.44	1.44	1.74	0.29	29.14
ECO1_F_20	1.44	1.44	1.65	0.21	21.00
ECO1_F_30	1.44	1.44	1.60	0.16	15.98
ECO1_F_40	1.44	1.44	1.56	0.13	12.84
ECO1_F_50	1.43	1.43	1.54	0.11	10.63
ECO1_F_75	1.43	1.43	1.50	0.07	7.14
ECO1_F_100	1.43	1.43	1.48	0.05	5.14
ECO1_F_150	1.43	1.43	1.46	0.03	2.97
ECO1_F_200	1.43	1.43	1.45	0.02	1.88
ECO1_G_10	3.35	3.37	3.41	0.04	4.27
ECO1_G_20	2.94	2.95	2.98	0.04	3.53
ECO1_G_30	2.69	2.69	2.72	0.03	3.05
ECO1_G_40	2.51	2.51	2.54	0.03	2.71
ECO1_G_50	2.38	2.38	2.41	0.02	2.45

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO1_G_75	2.15	2.15	2.17	0.02	1.96
ECO1_G_100	2.00	2.00	2.02	0.02	1.62
ECO1_G_150	1.81	1.81	1.83	0.01	1.18
ECO1_G_200	1.70	1.69	1.70	0.01	0.91
ECO1_H_10	4.18	4.18	4.24	0.06	5.84
ECO1_H_20	3.61	3.61	3.66	0.05	4.82
ECO1_H_30	3.29	3.28	3.33	0.04	4.23
ECO1_H_40	3.08	3.08	3.12	0.04	3.87
ECO1_H_50	2.91	2.90	2.94	0.04	3.54
ECO1_H_75	2.62	2.62	2.65	0.03	3.01
ECO1_H_100	2.41	2.41	2.44	0.03	2.63
ECO1_H_150	2.15	2.15	2.17	0.02	2.09
ECO1_H_200	1.97	1.97	1.99	0.02	1.73
ECO2_A_15	3.20	3.22	3.26	0.04	4.25
ECO2_A_25	2.85	2.86	2.89	0.04	3.59
ECO2_A_35	2.63	2.63	2.66	0.03	3.17
ECO2_A_45	2.47	2.47	2.50	0.03	2.86
ECO2_A_55	2.35	2.35	2.38	0.03	2.61
ECO2_A_80	2.14	2.14	2.16	0.02	2.17
ECO2_A_105	1.99	1.99	2.01	0.02	1.85
ECO2_A_155	1.81	1.81	1.82	0.01	1.41
ECO3_A	2.41	2.39	2.39	0.00	-0.02
ECO3_B_	2.42	2.41	2.40	0.00	-0.23
ECO3_C_	2.45	2.44	2.43	-0.01	-0.85
ECO4_A_10	2.95	2.91	2.96	0.05	5.34
ECO4_A_20	2.93	2.89	2.93	0.04	4.26
ECO4_A_30	2.92	2.89	2.92	0.04	3.71
ECO4_A_40	2.92	2.88	2.92	0.03	3.31
ECO4_A_50	2.92	2.89	2.92	0.03	3.07
ECO4_A_75	2.93	2.90	2.93	0.03	2.66
ECO4_A_100	2.94	2.92	2.94	0.02	2.45
ECO5_A_125	1.38	1.41	1.42	0.00	0.31
ECO5_A_150	1.35	1.38	1.38	0.00	0.28
ECO5_A_200	1.31	1.33	1.33	0.00	0.22
ECO6_A_10	2.67	2.64	2.66	0.02	2.09
ECO6_A_20	2.54	2.51	2.53	0.02	1.64

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO6_A_30	2.46	2.43	2.45	0.01	1.40
ECO6_A_40	2.41	2.38	2.40	0.01	1.22
ECO6_A_50	2.37	2.34	2.36	0.01	1.12
ECO6_A_75	2.30	2.28	2.29	0.01	0.88
ECO6_A_100	2.26	2.24	2.25	0.01	0.74
ECO6_A_150	2.21	2.19	2.20	0.01	0.54
ECO6_A_200	2.18	2.16	2.17	0.00	0.44
ECO7_A_150	1.21	1.20	1.20	0.00	0.39
ECO7_A_200	1.19	1.18	1.18	0.00	0.31
ECO8_A_10	5.04	4.78	4.80	0.01	1.39
ECO8_A_20	4.47	4.24	4.25	0.01	1.13
ECO8_A_30	4.14	3.92	3.93	0.01	0.99
ECO8_A_40	3.90	3.70	3.71	0.01	0.89
ECO8_A_50	3.70	3.52	3.53	0.01	0.82
ECO8_A_75	3.38	3.22	3.23	0.01	0.68
ECO8_B_10	5.08	4.78	4.79	0.01	1.11
ECO8_B_20	4.61	4.35	4.36	0.01	1.02
ECO8_B_30	4.26	4.03	4.04	0.01	0.93
ECO8_B_40	4.04	3.82	3.83	0.01	0.86
ECO8_B_50	3.85	3.66	3.66	0.01	0.83
ECO8_B_75	3.52	3.35	3.36	0.01	0.69
ECO8_B_100	3.28	3.13	3.14	0.01	0.59
ECO9_A_15	3.73	3.66	3.68	0.02	2.09
ECO9_A_25	3.47	3.40	3.42	0.02	1.80
ECO9_A_35	3.29	3.23	3.25	0.02	1.60
ECO9_A_45	3.16	3.10	3.12	0.01	1.43
ECO9_A_55	3.06	3.00	3.02	0.01	1.31
ECO9_A_80	2.87	2.82	2.83	0.01	1.07
ECO9_A_105	2.74	2.69	2.70	0.01	0.91
ECO9_A_155	2.57	2.53	2.54	0.01	0.67
ECO9_A_205	2.46	2.43	2.43	0.01	0.50
ECO9_B_10	4.64	4.56	4.59	0.03	3.06
ECO9_B_20	4.17	4.09	4.12	0.03	2.53
ECO9_B_30	3.89	3.81	3.83	0.02	2.21
ECO9_B_40	3.69	3.61	3.63	0.02	2.00
ECO10_A_30	2.91	2.94	2.94	0.00	-0.40

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO10_A_40	2.84	2.87	2.86	0.00	-0.26
ECO10_A_50	2.79	2.81	2.81	0.00	-0.16
ECO10_A_60	2.75	2.78	2.78	0.00	-0.09
ECO10_A_70	2.72	2.74	2.74	0.00	-0.01
ECO10_A_95	2.67	2.69	2.69	0.00	0.06
ECO10_A_120	2.64	2.65	2.65	0.00	0.15
ECO10_A_170	2.59	2.60	2.60	0.00	0.21
ECO11_A_15	5.20	5.19	5.26	0.07	6.87
ECO11_A_25	4.71	4.70	4.76	0.06	5.93
ECO11_A_35	4.36	4.35	4.40	0.05	5.21
ECO11_A_45	4.11	4.10	4.14	0.05	4.67
ECO11_A_55	3.93	3.92	3.96	0.04	4.24
ECO11_A_80	3.59	3.58	3.62	0.03	3.46
ECO11_A_105	3.36	3.35	3.38	0.03	2.85
ECO11_A_155	3.08	3.06	3.08	0.02	2.06
ECO11_A_205	2.90	2.88	2.90	0.02	1.55
ECO12_A_10	2.77	2.81	2.80	0.00	-0.33
ECO12_A_20	2.69	2.72	2.71	0.00	-0.14
ECO12_A_30	2.64	2.66	2.66	0.00	-0.03
ECO12_A_40	2.61	2.63	2.63	0.00	0.04
ECO12_A_50	2.59	2.60	2.60	0.00	0.09
ECO12_A_75	2.55	2.56	2.56	0.00	0.19
ECO12_A_100	2.53	2.53	2.53	0.00	0.28
ECO12_A_150	2.50	2.50	2.50	0.00	0.35
ECO12_A_200	2.48	2.48	2.48	0.00	0.41
ECO13_A_125	3.24	3.17	3.19	0.01	1.39
ECO13_A_150	3.11	3.05	3.06	0.01	1.21
ECO13_A_200	2.91	2.85	2.86	0.01	0.96
ECO14_A_50	4.00	3.80	3.82	0.02	1.53
ECO14_A_75	3.61	3.44	3.46	0.01	1.27
ECO15_A_20	5.73	5.63	5.69	0.06	5.87
ECO15_A_30	5.34	5.24	5.29	0.05	5.06
ECO15_A_40	5.03	4.92	4.97	0.04	4.45
ECO15_A_50	4.80	4.68	4.72	0.04	3.97
ECO15_A_75	4.36	4.25	4.28	0.03	3.15
ECO15_A_100	4.07	3.95	3.98	0.03	2.56

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2031 Baseline	2031 With Development		
ECO16_A_30	2.14	2.11	2.12	0.01	1.10
ECO16_A_40	2.01	1.98	1.99	0.01	0.97
ECO16_A_50	1.91	1.88	1.89	0.01	0.87
ECO16_A_75	1.74	1.72	1.72	0.01	0.70
ECO16_A_100	1.64	1.61	1.62	0.01	0.60
ECO16_A_150	1.50	1.47	1.48	0.00	0.44
ECO16_A_200	1.41	1.39	1.39	0.00	0.35
ECO17_A_10	1.20	2.19	2.19	0.00	0.10
ECO17_A_20	1.15	1.85	1.85	0.00	0.07
ECO17_A_30	1.13	1.67	1.67	0.00	0.06
ECO17_A_40	1.11	1.55	1.56	0.00	0.05
ECO17_A_50	1.10	1.48	1.48	0.00	0.04
ECO17_A_75	1.09	1.39	1.39	0.00	0.05
ECO17_A_100	1.08	1.32	1.32	0.00	0.03
ECO17_A_150	1.07	1.24	1.24	0.00	0.02
ECO17_A_200	1.07	1.19	1.19	0.00	0.02
ECO17_B_10	1.27	2.13	2.13	0.00	0.09
ECO17_B_20	1.24	1.89	1.89	0.00	0.07
ECO17_B_30	1.23	1.77	1.77	0.00	0.05
ECO17_B_40	1.21	1.67	1.67	0.00	0.06
ECO17_B_50	1.20	1.61	1.61	0.00	0.04
ECO17_B_75	1.19	1.53	1.53	0.00	0.05
ECO17_B_100	1.18	1.46	1.46	0.00	0.03
ECO17_B_150	1.17	1.39	1.39	0.00	0.04
ECO17_B_200	1.16	1.34	1.34	0.00	0.02
ECO17_C_10	1.39	1.36	1.36	0.00	0.14
ECO17_C_20	1.29	1.27	1.27	0.00	0.11
ECO17_C_30	1.23	1.22	1.22	0.00	0.08
ECO17_C_40	1.19	1.18	1.19	0.00	0.07
ECO17_C_50	1.17	1.16	1.16	0.00	0.06
ECO17_C_75	1.14	1.14	1.14	0.00	0.04
ECO17_C_100	1.12	1.12	1.12	0.00	0.04
ECO17_C_150	1.09	1.09	1.10	0.00	0.03
ECO17_C_200	1.08	1.08	1.08	0.00	0.02

2034 Baseline vs 2034 Opening Year (Do Something) Traffic, with Framework Travel Plan

Table 4.5.49: Predicted NO_x Concentration Changes due to 2034 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	9.3	6.1	6.3	0.3	0.86
ECO1_A_20	9.2	6.1	6.3	0.2	0.74
ECO1_A_30	9.1	6.0	6.2	0.2	0.68
ECO1_A_40	9.1	6.0	6.2	0.2	0.63
ECO1_A_50	9.0	6.0	6.2	0.2	0.60
ECO1_A_75	9.0	6.0	6.2	0.2	0.54
ECO1_A_100	8.9	6.0	6.1	0.2	0.50
ECO1_A_150	8.8	6.0	6.1	0.1	0.44
ECO1_A_200	8.8	5.9	6.1	0.1	0.39
ECO1_B_10	9.2	6.1	6.3	0.2	0.75
ECO1_B_20	9.1	6.0	6.3	0.2	0.68
ECO1_B_30	9.1	6.0	6.2	0.2	0.65
ECO1_B_40	9.8	6.4	6.6	0.2	0.64
ECO1_B_50	9.8	6.4	6.6	0.2	0.64
ECO1_B_75	9.8	6.4	6.6	0.2	0.65
ECO1_B_100	9.8	6.5	6.7	0.2	0.68
ECO1_B_150	10.0	6.5	6.7	0.2	0.79
ECO1_B_200	10.0	6.5	6.8	0.3	0.90
ECO1_C_10	23.2	14.4	15.6	1.2	4.14
ECO1_C_20	21.7	13.7	15.5	1.8	5.94
ECO1_C_30	20.9	13.4	15.4	2.0	6.74
ECO1_C_40	20.4	13.2	15.3	2.2	7.22
ECO1_C_50	20.0	13.0	15.2	2.2	7.40
ECO1_C_75	19.4	12.8	15.1	2.3	7.66
ECO1_C_100	19.1	12.6	14.9	2.3	7.66
ECO1_C_150	12.1	7.7	9.9	2.2	7.43
ECO1_C_200	11.8	7.6	9.7	2.1	6.94
ECO1_D_10	24.7	15.0	15.7	0.7	2.28
ECO1_D_20	23.0	14.2	15.9	1.6	5.35
ECO1_D_30	22.1	13.9	16.1	2.2	7.20
ECO1_D_40	21.6	13.7	16.3	2.7	8.87
ECO1_D_50	21.2	13.5	16.6	3.1	10.48

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_E_10	20.1	13.0	21.5	8.5	28.39
ECO1_E_20	20.2	13.1	19.8	6.7	22.25
ECO1_E_30	20.4	13.1	18.6	5.5	18.18
ECO1_E_40	20.5	13.2	17.8	4.6	15.40
ECO1_E_50	20.7	13.3	17.3	4.0	13.40
ECO1_F_10	19.9	12.9	21.2	8.2	27.41
ECO1_F_20	19.9	12.9	19.3	6.4	21.25
ECO1_F_30	19.8	12.9	18.1	5.2	17.38
ECO1_F_40	19.8	12.9	17.3	4.5	14.86
ECO1_F_50	19.7	12.8	16.8	3.9	13.02
ECO1_F_75	19.6	12.8	15.8	3.0	10.04
ECO1_F_100	19.6	12.8	15.2	2.5	8.19
ECO1_F_150	19.6	12.8	14.6	1.8	5.99
ECO1_F_200	19.6	12.8	14.2	1.4	4.70
ECO1_G_10	60.9	26.2	27.5	1.3	4.37
ECO1_G_20	51.6	23.0	24.2	1.1	3.81
ECO1_G_30	46.0	21.1	22.2	1.0	3.45
ECO1_G_40	42.1	19.8	20.7	1.0	3.18
ECO1_G_50	39.1	18.8	19.7	0.9	2.97
ECO1_G_75	34.1	17.0	17.8	0.8	2.60
ECO1_G_100	32.2	17.2	17.9	0.7	2.35
ECO1_G_150	28.1	15.7	16.3	0.6	2.06
ECO1_G_200	25.5	14.8	15.4	0.6	1.93
ECO1_H_10	81.1	33.7	35.6	1.9	6.36
ECO1_H_20	63.4	25.8	27.4	1.6	5.24
ECO1_H_30	55.8	23.2	24.5	1.4	4.63
ECO1_H_40	51.1	21.5	22.8	1.3	4.25
ECO1_H_50	47.2	20.1	21.3	1.2	3.92
ECO1_H_75	40.7	17.8	18.8	1.0	3.38
ECO1_H_100	36.1	16.2	17.1	0.9	2.98
ECO1_H_150	30.2	14.1	14.8	0.7	2.43
ECO1_H_200	26.2	12.7	13.3	0.6	2.03
ECO2_A_15	59.0	26.3	27.6	1.3	4.38
ECO2_A_25	51.1	23.7	24.8	1.2	3.89
ECO2_A_35	46.1	22.0	23.0	1.1	3.56
ECO2_A_45	42.6	20.8	21.8	1.0	3.32

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO2_A_55	39.9	19.8	20.8	0.9	3.14
ECO2_A_80	35.2	18.2	19.0	0.8	2.80
ECO2_A_105	32.0	17.1	17.9	0.8	2.58
ECO2_A_155	28.0	15.7	16.3	0.7	2.29
ECO3_A	14.2	8.1	10.5	2.5	8.19
ECO3_B_	14.5	8.2	10.3	2.1	6.98
ECO3_C_	15.3	8.4	10.0	1.6	5.31
ECO4_A_10	20.0	11.2	11.4	0.2	0.61
ECO4_A_20	19.7	11.1	11.3	0.2	0.81
ECO4_A_30	19.6	11.1	11.3	0.3	0.92
ECO4_A_40	19.5	11.1	11.4	0.3	0.99
ECO4_A_50	19.5	11.1	11.4	0.3	1.05
ECO4_A_75	19.7	11.1	11.5	0.3	1.16
ECO4_A_100	20.0	11.2	11.6	0.4	1.24
ECO5_A_125	20.2	10.9	11.3	0.3	1.12
ECO5_A_150	19.3	10.5	10.8	0.3	0.99
ECO5_A_200	17.6	9.7	9.9	0.2	0.77
ECO6_A_10	22.6	10.9	12.0	1.0	3.48
ECO6_A_20	19.5	9.8	10.6	0.8	2.73
ECO6_A_30	17.7	9.2	9.9	0.7	2.30
ECO6_A_40	16.5	8.7	9.3	0.6	2.02
ECO6_A_50	15.5	8.4	8.9	0.5	1.80
ECO6_A_75	14.1	7.9	8.3	0.4	1.44
ECO6_A_100	13.1	7.5	7.9	0.4	1.20
ECO6_A_150	12.0	7.1	7.4	0.3	0.89
ECO6_A_200	11.3	6.9	7.1	0.2	0.70
ECO7_A_150	11.9	7.0	7.3	0.3	0.97
ECO7_A_200	11.3	6.8	7.0	0.2	0.76
ECO8_A_10	91.2	36.2	36.7	0.5	1.56
ECO8_A_20	75.4	30.4	30.8	0.4	1.30
ECO8_A_30	66.2	27.0	27.4	0.3	1.14
ECO8_A_40	59.7	24.7	25.0	0.3	1.02
ECO8_A_50	54.5	22.8	23.0	0.3	0.92
ECO8_A_75	45.9	19.6	19.8	0.2	0.74
ECO8_B_10	92.1	36.4	36.9	0.5	1.71
ECO8_B_20	79.0	31.7	32.1	0.4	1.45

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO8_B_30	69.7	28.3	28.6	0.4	1.26
ECO8_B_40	63.5	26.0	26.3	0.3	1.14
ECO8_B_50	58.6	24.2	24.5	0.3	1.04
ECO8_B_75	49.7	20.9	21.2	0.3	0.85
ECO8_B_100	43.4	18.6	18.8	0.2	0.71
ECO9_A_15	52.8	20.2	20.5	0.3	1.10
ECO9_A_25	45.9	18.0	18.3	0.3	0.96
ECO9_A_35	41.3	16.5	16.8	0.3	0.87
ECO9_A_45	37.8	15.4	15.7	0.2	0.79
ECO9_A_55	35.1	14.6	14.8	0.2	0.73
ECO9_A_80	30.2	13.0	13.2	0.2	0.61
ECO9_A_105	26.9	11.9	12.1	0.2	0.51
ECO9_A_155	22.0	10.4	10.5	0.1	0.38
ECO9_A_205	19.2	9.5	9.6	0.1	0.30
ECO9_B_10	77.3	27.8	28.4	0.5	1.73
ECO9_B_20	64.6	23.8	24.3	0.4	1.42
ECO9_B_30	56.9	21.4	21.8	0.4	1.25
ECO9_B_40	51.6	19.8	20.1	0.3	1.14
ECO10_A_30	17.4	10.0	10.1	0.1	0.35
ECO10_A_40	16.4	9.6	9.7	0.1	0.38
ECO10_A_50	15.7	9.3	9.4	0.1	0.41
ECO10_A_60	15.3	9.1	9.2	0.1	0.42
ECO10_A_70	14.9	8.9	9.0	0.1	0.44
ECO10_A_95	14.2	8.6	8.8	0.1	0.46
ECO10_A_120	13.7	8.4	8.5	0.1	0.48
ECO10_A_170	13.1	8.1	8.3	0.1	0.50
ECO11_A_15	53.8	21.5	22.6	1.1	3.70
ECO11_A_25	46.7	19.2	20.1	1.0	3.27
ECO11_A_35	41.6	17.4	18.3	0.9	2.94
ECO11_A_45	38.0	16.2	17.0	0.8	2.69
ECO11_A_55	35.5	15.3	16.1	0.8	2.51
ECO11_A_80	30.7	13.7	14.3	0.7	2.17
ECO11_A_105	27.4	12.6	13.1	0.6	1.93
ECO11_A_155	23.4	11.1	11.6	0.5	1.63
ECO11_A_205	20.8	10.3	10.7	0.4	1.44
ECO12_A_10	15.9	9.4	9.4	0.1	0.20

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO12_A_20	14.7	8.8	8.9	0.1	0.25
ECO12_A_30	14.1	8.5	8.6	0.1	0.29
ECO12_A_40	13.6	8.4	8.4	0.1	0.31
ECO12_A_50	13.3	8.2	8.3	0.1	0.32
ECO12_A_75	12.7	8.0	8.1	0.1	0.35
ECO12_A_100	12.4	7.8	7.9	0.1	0.38
ECO12_A_150	12.0	7.6	7.7	0.1	0.41
ECO12_A_200	11.8	7.5	7.6	0.1	0.43
ECO13_A_125	39.5	15.9	16.2	0.3	0.88
ECO13_A_150	36.1	14.8	15.1	0.2	0.78
ECO13_A_200	30.9	13.2	13.4	0.2	0.62
ECO14_A_50	63.6	26.2	26.5	0.3	1.00
ECO14_A_75	53.2	22.3	22.6	0.2	0.80
ECO15_A_20	111.8	44.9	47.2	2.3	7.63
ECO15_A_30	101.0	40.7	42.7	2.0	6.72
ECO15_A_40	92.5	37.4	39.2	1.8	6.01
ECO15_A_50	85.9	34.8	36.5	1.6	5.47
ECO15_A_75	74.0	30.3	31.6	1.3	4.45
ECO15_A_100	65.9	27.1	28.3	1.1	3.72
ECO16_A_30	54.7	20.4	20.8	0.4	1.38
ECO16_A_40	49.1	18.7	19.0	0.4	1.24
ECO16_A_50	45.0	17.4	17.7	0.3	1.13
ECO16_A_75	38.1	15.2	15.5	0.3	0.94
ECO16_A_100	33.7	13.8	14.1	0.2	0.80
ECO16_A_150	27.9	12.0	12.2	0.2	0.61
ECO16_A_200	24.4	10.9	11.1	0.1	0.48
ECO17_A_10	46.6	21.2	21.3	0.1	0.19
ECO17_A_20	36.5	17.6	17.7	0.0	0.14
ECO17_A_30	31.4	15.8	15.8	0.0	0.12
ECO17_A_40	28.0	14.5	14.6	0.0	0.10
ECO17_A_50	25.9	13.8	13.8	0.0	0.09
ECO17_A_75	23.2	12.8	12.8	0.0	0.08
ECO17_A_100	21.1	12.0	12.1	0.0	0.07
ECO17_A_150	18.7	11.2	11.2	0.0	0.06
ECO17_A_200	17.4	10.7	10.7	0.0	0.05
ECO17_B_10	42.7	20.3	20.4	0.0	0.16

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO17_B_20	35.8	17.8	17.9	0.0	0.13
ECO17_B_30	32.1	16.5	16.5	0.0	0.11
ECO17_B_40	29.3	15.5	15.5	0.0	0.10
ECO17_B_50	27.6	14.9	14.9	0.0	0.09
ECO17_B_75	25.3	14.0	14.1	0.0	0.08
ECO17_B_100	23.3	13.3	13.3	0.0	0.07
ECO17_B_150	21.1	12.5	12.5	0.0	0.06
ECO17_B_200	19.7	12.0	12.0	0.0	0.05
ECO17_C_10	20.7	11.5	11.6	0.1	0.28
ECO17_C_20	18.1	10.6	10.7	0.1	0.21
ECO17_C_30	16.5	10.1	10.1	0.0	0.17
ECO17_C_40	15.5	9.8	9.8	0.0	0.14
ECO17_C_50	14.9	9.6	9.6	0.0	0.12
ECO17_C_75	14.2	9.3	9.3	0.0	0.10
ECO17_C_100	13.6	9.1	9.1	0.0	0.08
ECO17_C_150	12.9	8.9	8.9	0.0	0.06
ECO17_C_200	12.5	8.7	8.8	0.0	0.05

Table 4.5.50: Predicted NH_3 Concentration Changes due to 2034 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	1.79	1.80	1.88	0.08	2.77
ECO1_A_20	1.77	1.79	1.86	0.07	2.24
ECO1_A_30	1.77	1.79	1.85	0.06	1.99
ECO1_A_40	1.76	1.78	1.84	0.05	1.81
ECO1_A_50	1.76	1.78	1.83	0.05	1.70
ECO1_A_75	1.75	1.77	1.82	0.04	1.48
ECO1_A_100	1.75	1.77	1.81	0.04	1.34
ECO1_A_150	1.74	1.76	1.79	0.03	1.12
ECO1_A_200	1.73	1.75	1.78	0.03	0.98
ECO1_B_10	1.77	1.79	1.86	0.07	2.27
ECO1_B_20	1.77	1.79	1.85	0.06	1.96
ECO1_B_30	1.77	1.79	1.84	0.05	1.81
ECO1_B_40	1.77	1.79	1.84	0.05	1.73
ECO1_B_50	1.77	1.79	1.84	0.05	1.69

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_B_75	1.77	1.79	1.84	0.05	1.64
ECO1_B_100	1.77	1.80	1.85	0.05	1.67
ECO1_B_150	1.78	1.82	1.87	0.05	1.83
ECO1_B_200	1.80	1.83	1.89	0.06	2.01
ECO1_C_10	2.50	2.62	2.69	0.07	2.32
ECO1_C_20	2.33	2.43	2.66	0.23	7.68
ECO1_C_30	2.25	2.34	2.64	0.30	10.13
ECO1_C_40	2.18	2.27	2.62	0.35	11.64
ECO1_C_50	2.15	2.23	2.60	0.37	12.30
ECO1_C_75	2.08	2.15	2.55	0.40	13.28
ECO1_C_100	2.04	2.11	2.51	0.40	13.49
ECO1_C_150	2.00	2.05	2.45	0.40	13.22
ECO1_C_200	1.97	2.02	2.39	0.37	12.33
ECO1_D_10	2.68	2.82	2.74	-0.08	-2.62
ECO1_D_20	2.49	2.60	2.78	0.18	5.89
ECO1_D_30	2.40	2.50	2.83	0.32	10.81
ECO1_D_40	2.34	2.43	2.89	0.45	15.09
ECO1_D_50	2.29	2.38	2.96	0.57	19.08
ECO1_E_10	2.18	2.26	4.11	1.86	61.88
ECO1_E_20	2.19	2.27	3.68	1.40	46.82
ECO1_E_30	2.21	2.29	3.41	1.12	37.28
ECO1_E_40	2.22	2.31	3.23	0.92	30.75
ECO1_E_50	2.24	2.33	3.11	0.78	26.13
ECO1_F_10	2.16	2.23	4.00	1.76	58.74
ECO1_F_20	2.15	2.23	3.59	1.36	45.45
ECO1_F_30	2.15	2.22	3.33	1.12	37.17
ECO1_F_40	2.14	2.21	3.17	0.96	31.86
ECO1_F_50	2.14	2.21	3.05	0.84	28.02
ECO1_F_75	2.13	2.20	2.85	0.65	21.78
ECO1_F_100	2.12	2.19	2.73	0.54	17.93
ECO1_F_150	2.12	2.19	2.59	0.40	13.34
ECO1_F_200	2.12	2.19	2.51	0.32	10.65
ECO1_G_10	6.81	7.37	7.79	0.42	13.95
ECO1_G_20	5.78	6.24	6.60	0.36	11.91
ECO1_G_30	5.16	5.56	5.88	0.32	10.62
ECO1_G_40	4.74	5.09	5.38	0.29	9.69

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_G_50	4.42	4.73	5.00	0.27	8.97
ECO1_G_75	3.86	4.12	4.35	0.23	7.69
ECO1_G_100	3.50	3.72	3.92	0.21	6.84
ECO1_G_150	3.05	3.22	3.39	0.17	5.82
ECO1_G_200	2.77	2.90	3.06	0.16	5.27
ECO1_H_10	9.01	9.66	10.23	0.56	18.77
ECO1_H_20	7.60	8.15	8.62	0.47	15.66
ECO1_H_30	6.78	7.28	7.69	0.42	13.87
ECO1_H_40	6.28	6.73	7.11	0.38	12.75
ECO1_H_50	5.85	6.27	6.62	0.35	11.78
ECO1_H_75	5.14	5.50	5.80	0.30	10.15
ECO1_H_100	4.64	4.96	5.23	0.27	8.94
ECO1_H_150	4.01	4.26	4.48	0.22	7.25
ECO1_H_200	3.57	3.78	3.96	0.18	6.02
ECO2_A_15	6.44	6.96	7.37	0.41	13.63
ECO2_A_25	5.57	6.00	6.36	0.36	11.85
ECO2_A_35	5.02	5.40	5.72	0.32	10.69
ECO2_A_45	4.64	4.97	5.27	0.30	9.86
ECO2_A_55	4.34	4.65	4.93	0.28	9.22
ECO2_A_80	3.83	4.08	4.32	0.24	8.07
ECO2_A_105	3.48	3.70	3.92	0.22	7.29
ECO2_A_155	3.04	3.20	3.39	0.19	6.27
ECO3_A	2.06	2.12	2.49	0.38	37.56
ECO3_B_	2.07	2.14	2.46	0.32	32.23
ECO3_C_	2.12	2.19	2.44	0.25	24.58
ECO4_A_10	2.77	2.89	2.91	0.02	2.30
ECO4_A_20	2.73	2.84	2.89	0.05	4.72
ECO4_A_30	2.71	2.83	2.89	0.06	6.06
ECO4_A_40	2.71	2.82	2.89	0.07	7.02
ECO4_A_50	2.71	2.82	2.90	0.08	7.70
ECO4_A_75	2.72	2.84	2.93	0.09	8.93
ECO4_A_100	2.75	2.87	2.97	0.10	9.81
ECO5_A_125	2.16	2.38	2.40	0.03	0.90
ECO5_A_150	2.10	2.29	2.32	0.02	0.79
ECO5_A_200	2.00	2.15	2.17	0.02	0.60
ECO6_A_10	2.34	2.50	2.59	0.09	8.86

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO6_A_20	2.15	2.28	2.35	0.07	7.00
ECO6_A_30	2.04	2.15	2.21	0.06	5.97
ECO6_A_40	1.97	2.07	2.12	0.05	5.28
ECO6_A_50	1.91	2.00	2.05	0.05	4.74
ECO6_A_75	1.82	1.90	1.94	0.04	3.83
ECO6_A_100	1.77	1.83	1.86	0.03	3.21
ECO6_A_150	1.70	1.74	1.77	0.02	2.38
ECO6_A_200	1.66	1.69	1.71	0.02	1.89
ECO7_A_150	1.81	1.85	1.88	0.03	0.95
ECO7_A_200	1.77	1.81	1.83	0.02	0.75
ECO8_A_10	5.80	6.04	6.07	0.03	3.19
ECO8_A_20	4.95	5.15	5.18	0.03	2.84
ECO8_A_30	4.45	4.63	4.66	0.03	2.57
ECO8_A_40	4.11	4.27	4.30	0.02	2.35
ECO8_A_50	3.83	3.98	4.00	0.02	2.16
ECO8_A_75	3.37	3.49	3.51	0.02	1.79
ECO8_B_10	5.85	6.05	6.09	0.04	4.07
ECO8_B_20	5.14	5.33	5.36	0.03	3.46
ECO8_B_30	4.64	4.81	4.84	0.03	3.05
ECO8_B_40	4.31	4.47	4.50	0.03	2.78
ECO8_B_50	4.05	4.20	4.22	0.03	2.56
ECO8_B_75	3.57	3.70	3.72	0.02	2.14
ECO8_B_100	3.23	3.34	3.36	0.02	1.82
ECO9_A_15	3.84	4.21	4.31	0.10	3.47
ECO9_A_25	3.47	3.78	3.87	0.09	2.99
ECO9_A_35	3.22	3.50	3.58	0.08	2.66
ECO9_A_45	3.04	3.29	3.36	0.07	2.40
ECO9_A_55	2.89	3.12	3.18	0.07	2.19
ECO9_A_80	2.63	2.82	2.87	0.05	1.80
ECO9_A_105	2.45	2.61	2.65	0.05	1.52
ECO9_A_155	2.22	2.33	2.37	0.03	1.12
ECO9_A_205	2.07	2.16	2.19	0.03	0.87
ECO9_B_10	5.16	5.70	5.86	0.16	5.41
ECO9_B_20	4.48	4.92	5.05	0.13	4.44
ECO9_B_30	4.07	4.45	4.57	0.12	3.87
ECO9_B_40	3.78	4.13	4.23	0.10	3.49

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO10_A_30	2.65	2.85	2.82	-0.03	-2.68
ECO10_A_40	2.54	2.72	2.70	-0.01	-1.50
ECO10_A_50	2.47	2.62	2.62	-0.01	-0.69
ECO10_A_60	2.41	2.56	2.56	0.00	-0.15
ECO10_A_70	2.37	2.50	2.51	0.00	0.34
ECO10_A_95	2.29	2.41	2.42	0.01	1.14
ECO10_A_120	2.24	2.35	2.36	0.02	1.68
ECO10_A_170	2.17	2.26	2.28	0.02	2.37
ECO11_A_15	6.48	7.04	7.42	0.38	12.72
ECO11_A_25	5.70	6.18	6.51	0.33	11.12
ECO11_A_35	5.14	5.56	5.85	0.30	9.93
ECO11_A_45	4.74	5.12	5.39	0.27	9.05
ECO11_A_55	4.46	4.80	5.06	0.25	8.41
ECO11_A_80	3.94	4.22	4.43	0.22	7.19
ECO11_A_105	3.58	3.81	4.00	0.19	6.32
ECO11_A_155	3.13	3.31	3.47	0.16	5.23
ECO11_A_205	2.85	2.99	3.13	0.14	4.57
ECO12_A_10	2.53	2.71	2.68	-0.03	-2.93
ECO12_A_20	2.41	2.55	2.53	-0.01	-1.42
ECO12_A_30	2.33	2.46	2.45	-0.01	-0.55
ECO12_A_40	2.28	2.40	2.40	0.00	0.04
ECO12_A_50	2.25	2.35	2.36	0.00	0.48
ECO12_A_75	2.19	2.28	2.29	0.01	1.25
ECO12_A_100	2.15	2.23	2.25	0.02	1.77
ECO12_A_150	2.11	2.18	2.20	0.02	2.44
ECO12_A_200	2.08	2.15	2.17	0.03	2.85
ECO13_A_125	3.26	3.51	3.59	0.08	7.65
ECO13_A_150	3.08	3.30	3.37	0.07	6.75
ECO13_A_200	2.80	2.97	3.03	0.05	5.34
ECO14_A_50	4.28	4.44	4.45	0.01	1.17
ECO14_A_75	3.72	3.85	3.86	0.01	0.99
ECO15_A_20	6.77	7.40	7.75	0.35	35.39
ECO15_A_30	6.18	6.73	7.04	0.31	31.07
ECO15_A_40	5.71	6.21	6.49	0.28	27.68
ECO15_A_50	5.36	5.81	6.06	0.25	25.05
ECO15_A_75	4.72	5.10	5.30	0.20	20.13

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2034 Baseline	2034 With Development		
ECO15_A_100	4.28	4.61	4.78	0.17	16.58
ECO16_A_30	3.83	4.15	4.26	0.11	3.79
ECO16_A_40	3.53	3.81	3.91	0.10	3.36
ECO16_A_50	3.31	3.56	3.65	0.09	3.03
ECO16_A_75	2.94	3.14	3.22	0.07	2.46
ECO16_A_100	2.70	2.87	2.94	0.06	2.07
ECO16_A_150	2.39	2.52	2.57	0.05	1.54
ECO16_A_200	2.20	2.31	2.34	0.04	1.19
ECO17_A_10	1.43	4.40	4.41	0.01	0.25
ECO17_A_20	1.43	3.52	3.52	0.01	0.19
ECO17_A_30	1.43	3.07	3.08	0.00	0.15
ECO17_A_40	1.43	2.77	2.77	0.00	0.13
ECO17_A_50	1.43	2.59	2.59	0.00	0.12
ECO17_A_75	1.43	2.35	2.36	0.00	0.10
ECO17_A_100	1.43	2.17	2.17	0.00	0.09
ECO17_A_150	1.44	1.96	1.96	0.00	0.07
ECO17_A_200	1.44	1.84	1.84	0.00	0.06
ECO17_B_10	1.42	3.99	3.99	0.01	0.22
ECO17_B_20	1.42	3.38	3.38	0.01	0.17
ECO17_B_30	1.42	3.05	3.06	0.00	0.15
ECO17_B_40	1.42	2.81	2.82	0.00	0.13
ECO17_B_50	1.42	2.66	2.66	0.00	0.12
ECO17_B_75	1.42	2.46	2.46	0.00	0.10
ECO17_B_100	1.42	2.28	2.28	0.00	0.09
ECO17_B_150	1.42	2.08	2.08	0.00	0.07
ECO17_B_200	1.42	1.95	1.96	0.00	0.06
ECO17_C_10	2.24	2.28	2.29	0.01	0.37
ECO17_C_20	2.01	2.04	2.05	0.01	0.27
ECO17_C_30	1.87	1.91	1.92	0.01	0.22
ECO17_C_40	1.78	1.83	1.83	0.01	0.18
ECO17_C_50	1.73	1.77	1.78	0.00	0.16
ECO17_C_75	1.66	1.71	1.71	0.00	0.13
ECO17_C_100	1.61	1.65	1.65	0.00	0.11
ECO17_C_150	1.55	1.59	1.60	0.00	0.08
ECO17_C_200	1.51	1.56	1.56	0.00	0.06

Table 4.5.51: Predicted Nitrogen Deposition Changes due to 2034 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	17.97	17.88	18.32	0.44	4.43
ECO1_A_20	17.90	17.83	18.19	0.36	3.59
ECO1_A_30	17.86	17.81	18.12	0.32	3.19
ECO1_A_40	17.83	17.79	18.08	0.29	2.90
ECO1_A_50	17.81	17.77	18.04	0.27	2.73
ECO1_A_75	17.77	17.74	17.97	0.24	2.39
ECO1_A_100	17.74	17.71	17.92	0.22	2.16
ECO1_A_150	17.68	17.66	17.84	0.18	1.80
ECO1_A_200	17.64	17.61	17.77	0.16	1.56
ECO1_B_10	17.77	17.70	18.06	0.36	3.64
ECO1_B_20	17.74	17.68	18.00	0.31	3.14
ECO1_B_30	17.72	17.68	17.97	0.29	2.91
ECO1_B_40	17.72	17.68	17.96	0.28	2.79
ECO1_B_50	17.72	17.69	17.96	0.27	2.72
ECO1_B_75	17.73	17.71	17.97	0.27	2.66
ECO1_B_100	17.76	17.74	18.01	0.27	2.70
ECO1_B_150	17.83	17.82	18.12	0.30	2.97
ECO1_B_200	17.89	17.88	18.21	0.33	3.28
ECO1_C_10	21.55	21.74	22.19	0.45	4.52
ECO1_C_20	20.57	20.72	22.05	1.33	13.27
ECO1_C_30	20.06	20.19	21.92	1.73	17.26
ECO1_C_40	19.70	19.81	21.79	1.97	19.74
ECO1_C_50	19.49	19.59	21.67	2.08	20.80
ECO1_C_75	19.11	19.19	21.43	2.24	22.39
ECO1_C_100	18.88	18.95	21.22	2.27	22.71
ECO1_C_150	18.60	18.64	20.87	2.22	22.23
ECO1_C_200	18.42	18.46	20.53	2.07	20.73
ECO1_D_10	22.37	22.59	22.23	-0.36	-3.58
ECO1_D_20	21.26	21.43	22.46	1.03	10.35
ECO1_D_30	20.73	20.88	22.72	1.84	18.41
ECO1_D_40	20.36	20.50	23.04	2.55	25.47
ECO1_D_50	20.11	20.23	23.43	3.20	32.02
ECO1_E_10	19.45	19.54	29.80	10.26	102.59
ECO1_E_20	19.52	19.62	27.40	7.78	77.82

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_E_30	19.60	19.70	25.91	6.21	62.07
ECO1_E_40	19.71	19.81	24.94	5.13	51.29
ECO1_E_50	19.81	19.92	24.29	4.37	43.66
ECO1_F_10	19.32	19.41	29.16	9.75	97.50
ECO1_F_20	19.28	19.36	26.91	7.55	75.48
ECO1_F_30	19.24	19.33	25.50	6.17	61.72
ECO1_F_40	19.21	19.29	24.58	5.29	52.92
ECO1_F_50	19.19	19.26	23.91	4.65	46.55
ECO1_F_75	19.14	19.20	22.82	3.62	36.16
ECO1_F_100	19.11	19.17	22.15	2.98	29.76
ECO1_F_150	19.09	19.15	21.36	2.21	22.12
ECO1_F_200	19.12	19.18	20.94	1.76	17.63
ECO1_G_10	46.14	47.12	49.38	2.26	22.63
ECO1_G_20	40.29	41.04	42.97	1.93	19.35
ECO1_G_30	36.75	37.37	39.10	1.73	17.27
ECO1_G_40	34.29	34.82	36.40	1.58	15.77
ECO1_G_50	32.44	32.91	34.37	1.46	14.60
ECO1_G_75	29.25	29.60	30.86	1.25	12.54
ECO1_G_100	27.16	27.44	28.55	1.12	11.17
ECO1_G_150	24.53	24.72	25.67	0.95	9.52
ECO1_G_200	22.87	23.00	23.87	0.86	8.63
ECO1_H_10	57.84	58.80	61.85	3.05	30.48
ECO1_H_20	49.86	50.64	53.18	2.54	25.44
ECO1_H_30	45.24	45.92	48.17	2.26	22.55
ECO1_H_40	42.34	42.96	45.04	2.07	20.73
ECO1_H_50	39.90	40.47	42.38	1.92	19.17
ECO1_H_75	35.83	36.31	37.96	1.65	16.53
ECO1_H_100	32.97	33.38	34.84	1.46	14.57
ECO1_H_150	29.29	29.60	30.78	1.18	11.82
ECO1_H_200	26.79	27.02	28.00	0.98	9.83
ECO2_A_15	44.04	44.93	47.15	2.21	44.29
ECO2_A_25	39.06	39.75	41.68	1.93	38.56
ECO2_A_35	35.94	36.51	38.25	1.74	34.83
ECO2_A_45	33.72	34.22	35.82	1.61	32.14
ECO2_A_55	32.03	32.47	33.97	1.50	30.08
ECO2_A_80	29.04	29.39	30.71	1.32	26.37

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO2_A_105	27.04	27.31	28.51	1.19	23.87
ECO2_A_155	24.44	24.63	25.66	1.03	20.56
ECO3_A	32.66	32.40	35.69	3.29	32.86
ECO3_B_	32.84	32.58	35.40	2.82	28.19
ECO3_C_	33.29	33.04	35.19	2.15	21.47
ECO4_A_10	40.02	39.84	40.05	0.21	2.05
ECO4_A_20	39.66	39.50	39.90	0.41	4.06
ECO4_A_30	39.53	39.37	39.88	0.51	5.13
ECO4_A_40	39.47	39.32	39.91	0.59	5.91
ECO4_A_50	39.48	39.33	39.98	0.65	6.47
ECO4_A_75	39.62	39.48	40.22	0.75	7.45
ECO4_A_100	39.84	39.70	40.52	0.82	8.20
ECO5_A_125	18.74	19.36	19.52	0.16	1.63
ECO5_A_150	18.40	18.90	19.05	0.14	1.44
ECO5_A_200	17.76	18.09	18.20	0.11	1.10
ECO6_A_10	36.54	36.33	37.17	0.84	8.38
ECO6_A_20	34.63	34.41	35.08	0.66	6.64
ECO6_A_30	33.55	33.33	33.90	0.57	5.66
ECO6_A_40	32.82	32.61	33.11	0.50	4.98
ECO6_A_50	32.25	32.04	32.49	0.45	4.47
ECO6_A_75	31.36	31.15	31.51	0.36	3.62
ECO6_A_100	30.79	30.57	30.87	0.30	3.02
ECO6_A_150	30.08	29.85	30.07	0.22	2.23
ECO6_A_200	29.66	29.43	29.60	0.17	1.70
ECO7_A_150	16.43	16.37	16.54	0.17	1.68
ECO7_A_200	16.19	16.11	16.24	0.13	1.31
ECO8_A_10	69.87	66.47	66.77	0.31	3.06
ECO8_A_20	61.85	58.80	59.07	0.27	2.73
ECO8_A_30	57.12	54.33	54.58	0.25	2.46
ECO8_A_40	53.77	51.20	51.43	0.22	2.24
ECO8_A_50	51.03	48.65	48.86	0.20	2.03
ECO8_A_75	46.44	44.41	44.57	0.17	1.68
ECO8_B_10	70.33	66.52	66.90	0.38	3.77
ECO8_B_20	63.72	60.34	60.67	0.32	3.24
ECO8_B_30	58.93	55.89	56.17	0.29	2.87
ECO8_B_40	55.71	52.90	53.16	0.26	2.60

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO8_B_50	53.17	50.55	50.79	0.24	2.40
ECO8_B_75	48.46	46.20	46.40	0.20	2.02
ECO8_B_100	45.11	43.12	43.29	0.17	1.71
ECO9_A_15	51.41	50.51	51.37	0.86	8.57
ECO9_A_25	47.76	46.91	47.64	0.74	7.36
ECO9_A_35	45.29	44.49	45.15	0.66	6.59
ECO9_A_45	43.43	42.67	43.27	0.60	5.96
ECO9_A_55	41.96	41.24	41.79	0.55	5.45
ECO9_A_80	39.31	38.66	39.11	0.45	4.48
ECO9_A_105	37.49	36.88	37.26	0.38	3.75
ECO9_A_155	35.09	34.54	34.82	0.28	2.80
ECO9_A_205	33.58	33.07	33.29	0.21	2.14
ECO9_B_10	64.15	63.13	64.46	1.33	13.33
ECO9_B_20	57.60	56.55	57.64	1.10	10.96
ECO9_B_30	53.63	52.61	53.56	0.96	9.56
ECO9_B_40	50.82	49.84	50.71	0.86	8.62
ECO10_A_30	39.27	39.87	39.68	-0.19	-1.95
ECO10_A_40	38.29	38.79	38.69	-0.10	-1.00
ECO10_A_50	37.60	38.03	37.99	-0.04	-0.37
ECO10_A_60	37.13	37.51	37.51	0.01	0.06
ECO10_A_70	36.71	37.04	37.08	0.04	0.44
ECO10_A_95	36.01	36.26	36.37	0.11	1.09
ECO10_A_120	35.54	35.73	35.88	0.15	1.51
ECO10_A_170	34.89	35.00	35.20	0.21	2.08
ECO11_A_15	71.77	72.52	75.65	3.13	31.25
ECO11_A_25	64.90	65.49	68.22	2.74	27.38
ECO11_A_35	59.93	60.42	62.86	2.44	24.44
ECO11_A_45	56.40	56.82	59.04	2.23	22.29
ECO11_A_55	53.89	54.25	56.32	2.07	20.74
ECO11_A_80	49.20	49.46	51.23	1.77	17.74
ECO11_A_105	45.95	46.13	47.69	1.56	15.61
ECO11_A_155	41.91	42.00	43.29	1.29	12.92
ECO11_A_205	39.39	39.41	40.54	1.13	11.29
ECO12_A_10	37.49	38.01	37.79	-0.22	-2.20
ECO12_A_20	36.33	36.71	36.62	-0.10	-0.99
ECO12_A_30	35.66	35.97	35.94	-0.03	-0.29

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO12_A_40	35.21	35.47	35.49	0.02	0.17
ECO12_A_50	34.88	35.11	35.16	0.05	0.52
ECO12_A_75	34.34	34.49	34.61	0.11	1.12
ECO12_A_100	33.99	34.09	34.25	0.16	1.56
ECO12_A_150	33.60	33.64	33.85	0.21	2.08
ECO12_A_200	33.38	33.38	33.62	0.24	2.40
ECO13_A_125	44.47	43.60	44.23	0.63	6.34
ECO13_A_150	42.64	41.79	42.35	0.56	5.59
ECO13_A_200	39.81	39.02	39.46	0.44	4.42
ECO14_A_50	55.22	52.40	52.53	0.13	1.29
ECO14_A_75	49.74	47.33	47.43	0.11	1.09
ECO15_A_20	79.42	78.47	81.49	3.02	30.22
ECO15_A_30	73.96	72.81	75.47	2.66	26.59
ECO15_A_40	69.62	68.35	70.73	2.37	23.75
ECO15_A_50	66.26	64.93	67.09	2.16	21.55
ECO15_A_75	60.18	58.79	60.53	1.74	17.40
ECO15_A_100	56.01	54.61	56.05	1.44	14.37
ECO16_A_30	29.52	29.23	29.85	0.62	6.19
ECO16_A_40	27.64	27.34	27.89	0.55	5.49
ECO16_A_50	26.26	25.96	26.46	0.50	4.98
ECO16_A_75	23.93	23.64	24.05	0.40	4.03
ECO16_A_100	22.42	22.14	22.48	0.34	3.41
ECO16_A_150	20.46	20.19	20.45	0.25	2.52
ECO16_A_200	19.24	18.99	19.18	0.20	1.96
ECO17_A_10	16.66	30.64	30.68	0.04	0.44
ECO17_A_20	16.05	25.80	25.83	0.03	0.32
ECO17_A_30	15.73	23.35	23.38	0.03	0.27
ECO17_A_40	15.51	21.68	21.71	0.02	0.23
ECO17_A_50	15.37	20.68	20.70	0.02	0.20
ECO17_A_75	15.19	19.39	19.41	0.02	0.17
ECO17_A_100	15.05	18.37	18.38	0.01	0.15
ECO17_A_150	14.90	17.21	17.22	0.01	0.12
ECO17_A_200	14.82	16.55	16.56	0.01	0.11
ECO17_B_10	16.43	28.47	28.51	0.04	0.38
ECO17_B_20	16.00	25.12	25.15	0.03	0.30
ECO17_B_30	15.76	23.34	23.36	0.03	0.26

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO17_B_40	15.58	22.01	22.04	0.02	0.23
ECO17_B_50	15.46	21.17	21.20	0.02	0.21
ECO17_B_75	15.30	20.07	20.09	0.02	0.19
ECO17_B_100	15.16	19.10	19.12	0.02	0.15
ECO17_B_150	15.00	18.00	18.01	0.01	0.13
ECO17_B_200	14.90	17.31	17.32	0.01	0.10
ECO17_C_10	19.34	18.95	19.02	0.06	0.63
ECO17_C_20	17.93	17.69	17.73	0.05	0.47
ECO17_C_30	17.12	16.96	17.00	0.04	0.37
ECO17_C_40	16.59	16.48	16.51	0.03	0.33
ECO17_C_50	16.26	16.19	16.21	0.03	0.28
ECO17_C_75	15.86	15.83	15.85	0.02	0.22
ECO17_C_100	15.52	15.53	15.55	0.02	0.18
ECO17_C_150	15.16	15.22	15.23	0.01	0.12
ECO17_C_200	14.96	15.05	15.06	0.01	0.09

Table 4.5.52: Predicted Acid Deposition Changes due to 2034 Opening Year Traffic, With Framework Travel Plan

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_A_10	1.36	1.35	1.39	0.03	3.15
ECO1_A_20	1.36	1.35	1.38	0.03	2.56
ECO1_A_30	1.35	1.35	1.37	0.02	2.27
ECO1_A_40	1.35	1.35	1.37	0.02	2.06
ECO1_A_50	1.35	1.35	1.37	0.02	1.94
ECO1_A_75	1.35	1.34	1.36	0.02	1.70
ECO1_A_100	1.34	1.34	1.36	0.02	1.54
ECO1_A_150	1.34	1.34	1.35	0.01	1.28
ECO1_A_200	1.34	1.33	1.35	0.01	1.11
ECO1_B_10	1.35	1.34	1.37	0.03	2.59
ECO1_B_20	1.34	1.34	1.36	0.02	2.23
ECO1_B_30	1.34	1.34	1.36	0.02	2.07
ECO1_B_40	1.34	1.34	1.36	0.02	1.99
ECO1_B_50	1.34	1.34	1.36	0.02	1.93
ECO1_B_75	1.34	1.34	1.36	0.02	1.89

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_B_100	1.34	1.34	1.36	0.02	1.92
ECO1_B_150	1.35	1.35	1.37	0.02	2.11
ECO1_B_200	1.35	1.35	1.38	0.02	2.33
ECO1_C_10	1.60	1.62	1.65	0.03	3.22
ECO1_C_20	1.54	1.55	1.64	0.09	9.45
ECO1_C_30	1.50	1.51	1.63	0.12	12.28
ECO1_C_40	1.47	1.48	1.62	0.14	14.05
ECO1_C_50	1.46	1.47	1.61	0.15	14.80
ECO1_C_75	1.43	1.44	1.60	0.16	15.93
ECO1_C_100	1.42	1.42	1.58	0.16	16.16
ECO1_C_150	1.40	1.40	1.56	0.16	15.82
ECO1_C_200	1.38	1.38	1.53	0.15	14.76
ECO1_D_10	1.66	1.68	1.65	-0.03	-2.55
ECO1_D_20	1.58	1.59	1.67	0.07	7.37
ECO1_D_30	1.54	1.56	1.69	0.13	13.10
ECO1_D_40	1.52	1.53	1.71	0.18	18.13
ECO1_D_50	1.50	1.51	1.74	0.23	22.79
ECO1_E_10	1.45	1.46	2.19	0.73	73.01
ECO1_E_20	1.46	1.47	2.02	0.55	55.38
ECO1_E_30	1.46	1.47	1.91	0.44	44.17
ECO1_E_40	1.47	1.48	1.84	0.37	36.50
ECO1_E_50	1.48	1.49	1.80	0.31	31.07
ECO1_F_10	1.44	1.45	2.14	0.69	69.38
ECO1_F_20	1.44	1.45	1.98	0.54	53.72
ECO1_F_30	1.44	1.44	1.88	0.44	43.92
ECO1_F_40	1.44	1.44	1.82	0.38	37.66
ECO1_F_50	1.43	1.44	1.77	0.33	33.12
ECO1_F_75	1.43	1.44	1.69	0.26	25.73
ECO1_F_100	1.43	1.43	1.65	0.21	21.18
ECO1_F_150	1.43	1.43	1.59	0.16	15.74
ECO1_F_200	1.43	1.43	1.56	0.13	12.55
ECO1_G_10	3.35	3.42	3.58	0.16	16.10
ECO1_G_20	2.94	2.99	3.13	0.14	13.77
ECO1_G_30	2.69	2.73	2.85	0.12	12.29
ECO1_G_40	2.51	2.55	2.66	0.11	11.22
ECO1_G_50	2.38	2.41	2.51	0.10	10.39

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO1_G_75	2.15	2.18	2.27	0.09	8.92
ECO1_G_100	2.00	2.02	2.10	0.08	7.95
ECO1_G_150	1.81	1.83	1.90	0.07	6.78
ECO1_G_200	1.70	1.71	1.77	0.06	6.14
ECO1_H_10	4.18	4.25	4.47	0.22	21.69
ECO1_H_20	3.61	3.67	3.85	0.18	18.11
ECO1_H_30	3.29	3.33	3.49	0.16	16.05
ECO1_H_40	3.08	3.12	3.27	0.15	14.75
ECO1_H_50	2.91	2.95	3.08	0.14	13.64
ECO1_H_75	2.62	2.65	2.77	0.12	11.77
ECO1_H_100	2.41	2.44	2.55	0.10	10.37
ECO1_H_150	2.15	2.17	2.26	0.08	8.41
ECO1_H_200	1.97	1.99	2.06	0.07	7.00
ECO2_A_15	3.20	3.27	3.42	0.16	15.76
ECO2_A_25	2.85	2.90	3.04	0.14	13.72
ECO2_A_35	2.63	2.67	2.79	0.12	12.39
ECO2_A_45	2.47	2.50	2.62	0.11	11.43
ECO2_A_55	2.35	2.38	2.49	0.11	10.70
ECO2_A_80	2.14	2.16	2.25	0.09	9.38
ECO2_A_105	1.99	2.01	2.10	0.08	8.49
ECO2_A_155	1.81	1.82	1.90	0.07	7.31
ECO3_A	2.41	2.39	2.62	0.23	23.39
ECO3_B_	2.42	2.40	2.60	0.20	20.06
ECO3_C_	2.45	2.44	2.59	0.15	15.28
ECO4_A_10	2.95	2.94	2.96	0.01	1.46
ECO4_A_20	2.93	2.92	2.95	0.03	2.89
ECO4_A_30	2.92	2.91	2.94	0.04	3.65
ECO4_A_40	2.92	2.90	2.95	0.04	4.21
ECO4_A_50	2.92	2.91	2.95	0.05	4.60
ECO4_A_75	2.93	2.92	2.97	0.05	5.30
ECO4_A_100	2.94	2.93	2.99	0.06	5.84
ECO5_A_125	1.38	1.42	1.43	0.01	1.16
ECO5_A_150	1.35	1.39	1.40	0.01	1.02
ECO5_A_200	1.31	1.33	1.34	0.01	0.78
ECO6_A_10	2.67	2.66	2.72	0.06	5.96
ECO6_A_20	2.54	2.52	2.57	0.05	4.73

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO6_A_30	2.46	2.44	2.48	0.04	4.03
ECO6_A_40	2.41	2.39	2.43	0.04	3.55
ECO6_A_50	2.37	2.35	2.38	0.03	3.18
ECO6_A_75	2.30	2.29	2.31	0.03	2.58
ECO6_A_100	2.26	2.25	2.27	0.02	2.15
ECO6_A_150	2.21	2.20	2.21	0.02	1.59
ECO6_A_200	2.18	2.17	2.18	0.01	1.21
ECO7_A_150	1.21	1.20	1.21	0.01	1.20
ECO7_A_200	1.19	1.18	1.19	0.01	0.93
ECO8_A_10	5.04	4.80	4.82	0.02	2.18
ECO8_A_20	4.47	4.25	4.27	0.02	1.94
ECO8_A_30	4.14	3.94	3.95	0.02	1.75
ECO8_A_40	3.90	3.71	3.73	0.02	1.59
ECO8_A_50	3.70	3.53	3.55	0.01	1.44
ECO8_A_75	3.38	3.23	3.24	0.01	1.20
ECO8_B_10	5.08	4.80	4.83	0.03	2.69
ECO8_B_20	4.61	4.36	4.39	0.02	2.31
ECO8_B_30	4.26	4.05	4.07	0.02	2.04
ECO8_B_40	4.04	3.83	3.85	0.02	1.85
ECO8_B_50	3.85	3.67	3.68	0.02	1.71
ECO8_B_75	3.52	3.36	3.37	0.01	1.43
ECO8_B_100	3.28	3.14	3.15	0.01	1.22
ECO9_A_15	3.73	3.66	3.73	0.06	6.10
ECO9_A_25	3.47	3.41	3.46	0.05	5.24
ECO9_A_35	3.29	3.24	3.28	0.05	4.69
ECO9_A_45	3.16	3.11	3.15	0.04	4.24
ECO9_A_55	3.06	3.00	3.04	0.04	3.88
ECO9_A_80	2.87	2.82	2.85	0.03	3.19
ECO9_A_105	2.74	2.69	2.72	0.03	2.67
ECO9_A_155	2.57	2.53	2.55	0.02	1.99
ECO9_A_205	2.46	2.42	2.44	0.02	1.53
ECO9_B_10	4.64	4.56	4.66	0.09	9.49
ECO9_B_20	4.17	4.09	4.17	0.08	7.80
ECO9_B_30	3.89	3.81	3.88	0.07	6.80
ECO9_B_40	3.69	3.62	3.68	0.06	6.14
ECO10_A_30	2.91	2.95	2.93	-0.01	-1.39

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO10_A_40	2.84	2.87	2.86	-0.01	-0.71
ECO10_A_50	2.79	2.82	2.81	0.00	-0.26
ECO10_A_60	2.75	2.78	2.78	0.00	0.04
ECO10_A_70	2.72	2.75	2.75	0.00	0.31
ECO10_A_95	2.67	2.69	2.70	0.01	0.78
ECO10_A_120	2.64	2.65	2.66	0.01	1.08
ECO10_A_170	2.59	2.60	2.62	0.01	1.48
ECO11_A_15	5.20	5.25	5.48	0.22	22.24
ECO11_A_25	4.71	4.75	4.95	0.19	19.48
ECO11_A_35	4.36	4.39	4.57	0.17	17.39
ECO11_A_45	4.11	4.14	4.29	0.16	15.86
ECO11_A_55	3.93	3.95	4.10	0.15	14.76
ECO11_A_80	3.59	3.61	3.74	0.13	12.62
ECO11_A_105	3.36	3.38	3.49	0.11	11.11
ECO11_A_155	3.08	3.08	3.17	0.09	9.19
ECO11_A_205	2.90	2.90	2.98	0.08	8.04
ECO12_A_10	2.77	2.81	2.80	-0.02	-1.57
ECO12_A_20	2.69	2.72	2.71	-0.01	-0.71
ECO12_A_30	2.64	2.67	2.66	0.00	-0.20
ECO12_A_40	2.61	2.63	2.63	0.00	0.12
ECO12_A_50	2.59	2.60	2.61	0.00	0.37
ECO12_A_75	2.55	2.56	2.57	0.01	0.79
ECO12_A_100	2.53	2.53	2.54	0.01	1.11
ECO12_A_150	2.50	2.50	2.51	0.01	1.48
ECO12_A_200	2.48	2.48	2.50	0.02	1.71
ECO13_A_125	3.24	3.18	3.22	0.05	4.51
ECO13_A_150	3.11	3.05	3.09	0.04	3.97
ECO13_A_200	2.91	2.85	2.88	0.03	3.15
ECO14_A_50	4.00	3.80	3.81	0.01	0.92
ECO14_A_75	3.61	3.44	3.45	0.01	0.78
ECO15_A_20	5.73	5.66	5.88	0.22	21.51
ECO15_A_30	5.34	5.26	5.45	0.19	18.93
ECO15_A_40	5.03	4.94	5.11	0.17	16.90
ECO15_A_50	4.80	4.70	4.85	0.15	15.34
ECO15_A_75	4.36	4.26	4.39	0.12	12.38
ECO15_A_100	4.07	3.97	4.07	0.10	10.23

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2034 Baseline	2034 With Development		
ECO16_A_30	2.14	2.12	2.17	0.04	4.41
ECO16_A_40	2.01	1.99	2.03	0.04	3.91
ECO16_A_50	1.91	1.89	1.92	0.04	3.54
ECO16_A_75	1.74	1.72	1.75	0.03	2.87
ECO16_A_100	1.64	1.62	1.64	0.02	2.42
ECO16_A_150	1.50	1.48	1.50	0.02	1.80
ECO16_A_200	1.41	1.39	1.41	0.01	1.39
ECO17_A_10	1.20	2.19	2.19	0.00	0.31
ECO17_A_20	1.15	1.85	1.85	0.00	0.23
ECO17_A_30	1.13	1.67	1.67	0.00	0.19
ECO17_A_40	1.11	1.55	1.56	0.00	0.17
ECO17_A_50	1.10	1.48	1.48	0.00	0.14
ECO17_A_75	1.09	1.39	1.39	0.00	0.12
ECO17_A_100	1.08	1.32	1.32	0.00	0.11
ECO17_A_150	1.07	1.24	1.24	0.00	0.09
ECO17_A_200	1.07	1.19	1.19	0.00	0.08
ECO17_B_10	1.27	2.13	2.13	0.00	0.27
ECO17_B_20	1.24	1.89	1.89	0.00	0.21
ECO17_B_30	1.23	1.76	1.77	0.00	0.18
ECO17_B_40	1.21	1.67	1.67	0.00	0.17
ECO17_B_50	1.20	1.61	1.61	0.00	0.15
ECO17_B_75	1.19	1.53	1.53	0.00	0.14
ECO17_B_100	1.18	1.46	1.46	0.00	0.11
ECO17_B_150	1.17	1.38	1.39	0.00	0.09
ECO17_B_200	1.16	1.34	1.34	0.00	0.07
ECO17_C_10	1.39	1.36	1.36	0.00	0.45
ECO17_C_20	1.29	1.27	1.27	0.00	0.33
ECO17_C_30	1.23	1.22	1.22	0.00	0.26
ECO17_C_40	1.19	1.18	1.19	0.00	0.23
ECO17_C_50	1.17	1.16	1.16	0.00	0.20
ECO17_C_75	1.14	1.14	1.14	0.00	0.16
ECO17_C_100	1.12	1.12	1.12	0.00	0.13
ECO17_C_150	1.09	1.09	1.09	0.00	0.09
ECO17_C_200	1.08	1.08	1.08	0.00	0.07

2042 Baseline vs 2042 Opening Year (Do Something) Traffic, with Framework Travel Plan

Table 4.5.53: Predicted NO_x Concentration Changes due to 2042 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_A_10	9.3	5.5	5.7	0.2	0.67
ECO1_A_20	9.2	5.5	5.7	0.2	0.60
ECO1_A_30	9.1	5.5	5.7	0.2	0.56
ECO1_A_40	9.1	5.5	5.7	0.2	0.53
ECO1_A_50	9.0	5.5	5.7	0.2	0.51
ECO1_A_75	9.0	5.5	5.6	0.1	0.47
ECO1_A_100	8.9	5.5	5.6	0.1	0.44
ECO1_A_150	8.8	5.5	5.6	0.1	0.39
ECO1_A_200	8.8	5.4	5.5	0.1	0.35
ECO1_B_10	9.2	5.5	5.7	0.2	0.61
ECO1_B_20	9.1	5.5	5.7	0.2	0.57
ECO1_B_30	9.1	5.5	5.7	0.2	0.56
ECO1_B_40	9.8	5.8	6.0	0.2	0.55
ECO1_B_50	9.8	5.8	6.0	0.2	0.55
ECO1_B_75	9.8	5.8	6.0	0.2	0.57
ECO1_B_100	9.8	5.9	6.0	0.2	0.61
ECO1_B_150	10.0	5.9	6.1	0.2	0.72
ECO1_B_200	10.0	5.9	6.2	0.2	0.83
ECO1_C_10	23.2	13.1	14.4	1.3	4.17
ECO1_C_20	21.7	12.6	14.3	1.7	5.72
ECO1_C_30	20.9	12.3	14.2	1.9	6.39
ECO1_C_40	20.4	12.1	14.1	2.0	6.78
ECO1_C_50	20.0	11.9	14.0	2.1	6.91
ECO1_C_75	19.4	11.7	13.8	2.1	7.07
ECO1_C_100	19.1	11.6	13.7	2.1	7.02
ECO1_C_150	12.1	6.9	9.0	2.0	6.75
ECO1_C_200	11.8	6.8	8.7	1.9	6.28
ECO1_D_10	24.7	13.7	14.5	0.8	2.63
ECO1_D_20	23.0	13.0	14.6	1.6	5.43
ECO1_D_30	22.1	12.7	14.8	2.1	7.14
ECO1_D_40	21.6	12.5	15.1	2.6	8.72
ECO1_D_50	21.2	12.3	15.4	3.1	10.25

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_E_10	20.1	11.9	20.2	8.3	27.63
ECO1_E_20	20.2	12.0	18.5	6.5	21.68
ECO1_E_30	20.4	12.0	17.3	5.3	17.72
ECO1_E_40	20.5	12.1	16.6	4.5	15.02
ECO1_E_50	20.7	12.2	16.1	3.9	13.08
ECO1_F_10	19.9	11.9	19.9	8.1	26.88
ECO1_F_20	19.9	11.8	18.1	6.3	20.84
ECO1_F_30	19.8	11.8	16.9	5.1	17.04
ECO1_F_40	19.8	11.8	16.1	4.4	14.56
ECO1_F_50	19.7	11.8	15.6	3.8	12.75
ECO1_F_75	19.6	11.7	14.7	2.9	9.81
ECO1_F_100	19.6	11.7	14.1	2.4	7.99
ECO1_F_150	19.6	11.7	13.4	1.7	5.81
ECO1_F_200	19.6	11.7	13.0	1.4	4.54
ECO1_G_10	60.9	21.3	21.9	0.6	2.06
ECO1_G_20	51.6	19.0	19.6	0.6	1.88
ECO1_G_30	46.0	17.6	18.1	0.5	1.77
ECO1_G_40	42.1	16.6	17.1	0.5	1.69
ECO1_G_50	39.1	15.8	16.3	0.5	1.63
ECO1_G_75	34.1	14.5	15.0	0.5	1.53
ECO1_G_100	32.2	15.0	15.4	0.4	1.47
ECO1_G_150	28.1	13.9	14.3	0.4	1.42
ECO1_G_200	25.5	13.2	13.6	0.4	1.44
ECO1_H_10	81.1	27.5	28.3	0.8	2.77
ECO1_H_20	63.4	20.8	21.5	0.7	2.36
ECO1_H_30	55.8	18.8	19.4	0.6	2.13
ECO1_H_40	51.1	17.5	18.1	0.6	1.99
ECO1_H_50	47.2	16.4	17.0	0.6	1.87
ECO1_H_75	40.7	14.6	15.1	0.5	1.67
ECO1_H_100	36.1	13.4	13.9	0.5	1.51
ECO1_H_150	30.2	11.8	12.2	0.4	1.30
ECO1_H_200	26.2	10.7	11.1	0.3	1.14
ECO2_A_15	59.0	21.8	22.5	0.7	2.23
ECO2_A_25	51.1	19.8	20.5	0.6	2.08
ECO2_A_35	46.1	18.6	19.2	0.6	1.98
ECO2_A_45	42.6	17.7	18.3	0.6	1.90

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO2_A_55	39.9	17.0	17.5	0.6	1.85
ECO2_A_80	35.2	15.8	16.3	0.5	1.76
ECO2_A_105	32.0	14.9	15.4	0.5	1.71
ECO2_A_155	28.0	13.8	14.3	0.5	1.65
ECO3_A	14.2	7.0	9.4	2.4	8.06
ECO3_B_	14.5	7.0	9.1	2.1	6.91
ECO3_C_	15.3	7.2	8.8	1.6	5.31
ECO4_A_10	20.0	9.8	9.9	0.1	0.41
ECO4_A_20	19.7	9.7	9.9	0.2	0.55
ECO4_A_30	19.6	9.7	9.9	0.2	0.63
ECO4_A_40	19.5	9.7	9.9	0.2	0.68
ECO4_A_50	19.5	9.7	9.9	0.2	0.72
ECO4_A_75	19.7	9.7	10.0	0.2	0.79
ECO4_A_100	20.0	9.8	10.0	0.3	0.84
ECO5_A_125	20.2	9.3	9.5	0.2	0.65
ECO5_A_150	19.3	8.9	9.1	0.2	0.58
ECO5_A_200	17.6	8.4	8.5	0.1	0.45
ECO6_A_10	22.6	9.3	10.1	0.9	2.84
ECO6_A_20	19.5	8.4	9.1	0.7	2.22
ECO6_A_30	17.7	7.9	8.5	0.6	1.88
ECO6_A_40	16.5	7.6	8.1	0.5	1.64
ECO6_A_50	15.5	7.3	7.8	0.4	1.46
ECO6_A_75	14.1	6.9	7.3	0.4	1.17
ECO6_A_100	13.1	6.7	7.0	0.3	0.97
ECO6_A_150	12.0	6.3	6.6	0.2	0.72
ECO6_A_200	11.3	6.1	6.3	0.2	0.57
ECO7_A_150	11.9	6.3	6.5	0.2	0.76
ECO7_A_200	11.3	6.1	6.3	0.2	0.60
ECO8_A_10	91.2	28.7	29.1	0.4	1.19
ECO8_A_20	75.4	24.3	24.6	0.3	0.98
ECO8_A_30	66.2	21.7	21.9	0.3	0.86
ECO8_A_40	59.7	19.9	20.1	0.2	0.76
ECO8_A_50	54.5	18.4	18.6	0.2	0.69
ECO8_A_75	45.9	15.9	16.1	0.2	0.55
ECO8_B_10	92.1	28.8	29.2	0.4	1.31
ECO8_B_20	79.0	25.2	25.5	0.3	1.10

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO8_B_30	69.7	22.6	22.9	0.3	0.95
ECO8_B_40	63.5	20.8	21.1	0.3	0.86
ECO8_B_50	58.6	19.5	19.7	0.2	0.78
ECO8_B_75	49.7	16.9	17.1	0.2	0.64
ECO8_B_100	43.4	15.2	15.3	0.2	0.53
ECO9_A_15	52.8	15.5	15.9	0.3	1.11
ECO9_A_25	45.9	14.0	14.3	0.3	0.96
ECO9_A_35	41.3	13.0	13.2	0.3	0.86
ECO9_A_45	37.8	12.2	12.5	0.2	0.78
ECO9_A_55	35.1	11.6	11.8	0.2	0.72
ECO9_A_80	30.2	10.5	10.7	0.2	0.60
ECO9_A_105	26.9	9.8	9.9	0.2	0.50
ECO9_A_155	22.0	8.7	8.8	0.1	0.37
ECO9_A_205	19.2	8.0	8.1	0.1	0.29
ECO9_B_10	77.3	20.9	21.4	0.5	1.82
ECO9_B_20	64.6	18.1	18.5	0.4	1.49
ECO9_B_30	56.9	16.4	16.8	0.4	1.30
ECO9_B_40	51.6	15.2	15.6	0.4	1.17
ECO10_A_30	17.4	8.8	9.2	0.4	1.33
ECO10_A_40	16.4	8.5	8.8	0.4	1.20
ECO10_A_50	15.7	8.2	8.6	0.3	1.10
ECO10_A_60	15.3	8.1	8.4	0.3	1.04
ECO10_A_70	14.9	7.9	8.2	0.3	0.98
ECO10_A_95	14.2	7.7	7.9	0.3	0.89
ECO10_A_120	13.7	7.5	7.7	0.2	0.82
ECO10_A_170	13.1	7.3	7.5	0.2	0.74
ECO11_A_15	53.8	17.1	17.6	0.5	1.64
ECO11_A_25	46.7	15.3	15.8	0.5	1.50
ECO11_A_35	41.6	14.0	14.5	0.4	1.40
ECO11_A_45	38.0	13.1	13.5	0.4	1.32
ECO11_A_55	35.5	12.5	12.9	0.4	1.27
ECO11_A_80	30.7	11.3	11.6	0.4	1.17
ECO11_A_105	27.4	10.4	10.7	0.3	1.10
ECO11_A_155	23.4	9.4	9.7	0.3	1.03
ECO11_A_205	20.8	8.7	9.0	0.3	0.99
ECO12_A_10	15.9	8.3	8.6	0.3	1.05

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO12_A_20	14.7	7.9	8.1	0.3	0.89
ECO12_A_30	14.1	7.6	7.9	0.2	0.80
ECO12_A_40	13.6	7.4	7.7	0.2	0.74
ECO12_A_50	13.3	7.3	7.5	0.2	0.70
ECO12_A_75	12.7	7.1	7.3	0.2	0.62
ECO12_A_100	12.4	7.0	7.2	0.2	0.58
ECO12_A_150	12.0	6.8	7.0	0.2	0.52
ECO12_A_200	11.8	6.7	6.9	0.1	0.49
ECO13_A_125	39.5	12.6	12.8	0.2	0.82
ECO13_A_150	36.1	11.8	12.0	0.2	0.72
ECO13_A_200	30.9	10.6	10.8	0.2	0.57
ECO14_A_50	63.6	21.3	21.6	0.2	0.71
ECO14_A_75	53.2	18.4	18.5	0.2	0.58
ECO15_A_20	111.8	35.9	36.9	1.0	3.28
ECO15_A_30	101.0	32.6	33.5	0.9	2.99
ECO15_A_40	92.5	30.0	30.8	0.8	2.73
ECO15_A_50	85.9	28.0	28.7	0.7	2.50
ECO15_A_75	74.0	24.4	25.0	0.6	2.03
ECO15_A_100	65.9	21.9	22.4	0.5	1.68
ECO16_A_30	54.7	15.6	15.9	0.3	0.97
ECO16_A_40	49.1	14.4	14.7	0.3	0.86
ECO16_A_50	45.0	13.5	13.7	0.2	0.79
ECO16_A_75	38.1	12.0	12.2	0.2	0.65
ECO16_A_100	33.7	11.0	11.2	0.2	0.55
ECO16_A_150	27.9	9.8	9.9	0.1	0.42
ECO16_A_200	24.4	9.0	9.1	0.1	0.33
ECO17_A_10	46.6	18.0	18.0	0.0	0.14
ECO17_A_20	36.5	15.2	15.2	0.0	0.11
ECO17_A_30	31.4	13.7	13.8	0.0	0.09
ECO17_A_40	28.0	12.8	12.8	0.0	0.08
ECO17_A_50	25.9	12.2	12.2	0.0	0.07
ECO17_A_75	23.2	11.4	11.5	0.0	0.06
ECO17_A_100	21.1	10.8	10.8	0.0	0.05
ECO17_A_150	18.7	10.1	10.2	0.0	0.05
ECO17_A_200	17.4	9.8	9.8	0.0	0.04
ECO17_B_10	42.7	17.5	17.5	0.0	0.12

Receptor ID	Annual Mean NO_x Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO17_B_20	35.8	15.5	15.5	0.0	0.10
ECO17_B_30	32.1	14.5	14.5	0.0	0.08
ECO17_B_40	29.3	13.7	13.7	0.0	0.08
ECO17_B_50	27.6	13.2	13.2	0.0	0.07
ECO17_B_75	25.3	12.6	12.6	0.0	0.06
ECO17_B_100	23.3	12.0	12.0	0.0	0.05
ECO17_B_150	21.1	11.4	11.4	0.0	0.05
ECO17_B_200	19.7	11.0	11.0	0.0	0.04
ECO17_C_10	20.7	10.3	10.4	0.1	0.28
ECO17_C_20	18.1	9.6	9.7	0.1	0.20
ECO17_C_30	16.5	9.2	9.3	0.0	0.16
ECO17_C_40	15.5	9.0	9.0	0.0	0.13
ECO17_C_50	14.9	8.8	8.9	0.0	0.12
ECO17_C_75	14.2	8.6	8.7	0.0	0.10
ECO17_C_100	13.6	8.5	8.5	0.0	0.08
ECO17_C_150	12.9	8.3	8.3	0.0	0.06
ECO17_C_200	12.5	8.2	8.2	0.0	0.04

Table 4.5.54: Predicted NH_3 Concentration Changes due to 2042 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_A_10	1.79	1.83	1.91	0.08	2.83
ECO1_A_20	1.77	1.82	1.88	0.07	2.30
ECO1_A_30	1.77	1.81	1.87	0.06	2.04
ECO1_A_40	1.76	1.80	1.86	0.06	1.87
ECO1_A_50	1.76	1.80	1.85	0.05	1.75
ECO1_A_75	1.75	1.79	1.84	0.05	1.53
ECO1_A_100	1.75	1.78	1.82	0.04	1.38
ECO1_A_150	1.74	1.77	1.81	0.03	1.16
ECO1_A_200	1.73	1.76	1.79	0.03	1.01
ECO1_B_10	1.77	1.81	1.88	0.07	2.33
ECO1_B_20	1.77	1.81	1.87	0.06	2.02
ECO1_B_30	1.77	1.81	1.86	0.06	1.87

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_B_40	1.77	1.81	1.86	0.05	1.79
ECO1_B_50	1.77	1.81	1.86	0.05	1.75
ECO1_B_75	1.77	1.81	1.86	0.05	1.70
ECO1_B_100	1.77	1.81	1.87	0.05	1.74
ECO1_B_150	1.78	1.83	1.89	0.06	1.91
ECO1_B_200	1.80	1.84	1.90	0.06	2.10
ECO1_C_10	2.50	2.69	2.76	0.08	2.50
ECO1_C_20	2.33	2.49	2.73	0.24	8.13
ECO1_C_30	2.25	2.38	2.70	0.32	10.66
ECO1_C_40	2.18	2.31	2.67	0.37	12.19
ECO1_C_50	2.15	2.27	2.65	0.39	12.85
ECO1_C_75	2.08	2.19	2.60	0.41	13.77
ECO1_C_100	2.04	2.14	2.56	0.42	13.92
ECO1_C_150	2.00	2.08	2.49	0.41	13.54
ECO1_C_200	1.97	2.04	2.42	0.38	12.58
ECO1_D_10	2.68	2.89	2.82	-0.07	-2.44
ECO1_D_20	2.49	2.66	2.87	0.20	6.73
ECO1_D_30	2.40	2.56	2.92	0.36	12.08
ECO1_D_40	2.34	2.48	2.99	0.50	16.80
ECO1_D_50	2.29	2.43	3.07	0.64	21.22
ECO1_E_10	2.18	2.30	4.37	2.07	69.07
ECO1_E_20	2.19	2.31	3.88	1.57	52.24
ECO1_E_30	2.21	2.33	3.58	1.25	41.57
ECO1_E_40	2.22	2.35	3.38	1.03	34.26
ECO1_E_50	2.24	2.37	3.24	0.87	29.09
ECO1_F_10	2.16	2.27	4.25	1.98	65.94
ECO1_F_20	2.15	2.26	3.79	1.53	51.01
ECO1_F_30	2.15	2.25	3.50	1.25	41.71
ECO1_F_40	2.14	2.25	3.32	1.07	35.74
ECO1_F_50	2.14	2.24	3.18	0.94	31.43
ECO1_F_75	2.13	2.23	2.96	0.73	24.40
ECO1_F_100	2.12	2.22	2.82	0.60	20.07

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_F_150	2.12	2.22	2.66	0.45	14.85
ECO1_F_200	2.12	2.22	2.58	0.35	11.76
ECO1_G_10	6.81	7.60	7.81	0.20	6.80
ECO1_G_20	5.78	6.44	6.62	0.18	6.11
ECO1_G_30	5.16	5.73	5.90	0.17	5.67
ECO1_G_40	4.74	5.24	5.40	0.16	5.36
ECO1_G_50	4.42	4.87	5.03	0.15	5.12
ECO1_G_75	3.86	4.24	4.38	0.14	4.72
ECO1_G_100	3.50	3.82	3.95	0.13	4.47
ECO1_G_150	3.05	3.29	3.42	0.13	4.24
ECO1_G_200	2.77	2.96	3.09	0.13	4.21
ECO1_H_10	9.01	10.00	10.26	0.26	8.55
ECO1_H_20	7.60	8.43	8.65	0.22	7.37
ECO1_H_30	6.78	7.52	7.72	0.20	6.70
ECO1_H_40	6.28	6.95	7.14	0.19	6.27
ECO1_H_50	5.85	6.47	6.65	0.18	5.90
ECO1_H_75	5.14	5.67	5.83	0.16	5.25
ECO1_H_100	4.64	5.11	5.25	0.14	4.77
ECO1_H_150	4.01	4.38	4.50	0.12	4.07
ECO1_H_200	3.57	3.88	3.99	0.11	3.55
ECO2_A_15	6.44	7.19	7.40	0.21	7.10
ECO2_A_25	5.57	6.19	6.38	0.19	6.49
ECO2_A_35	5.02	5.57	5.75	0.18	6.10
ECO2_A_45	4.64	5.13	5.30	0.17	5.83
ECO2_A_55	4.34	4.79	4.96	0.17	5.62
ECO2_A_80	3.83	4.20	4.35	0.16	5.27
ECO2_A_105	3.48	3.80	3.95	0.15	5.05
ECO2_A_155	3.04	3.28	3.42	0.14	4.80
ECO3_A	2.06	2.14	2.58	0.45	44.78
ECO3_B_	2.07	2.16	2.54	0.38	38.08
ECO3_C_	2.12	2.22	2.50	0.28	28.31
ECO4_A_10	2.77	3.03	3.03	-0.01	-0.77

Receptor ID	Annual Mean NH_3 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO4_A_20	2.73	2.97	2.98	0.02	1.67
ECO4_A_30	2.71	2.94	2.97	0.03	2.99
ECO4_A_40	2.71	2.92	2.96	0.04	3.92
ECO4_A_50	2.71	2.92	2.96	0.05	4.56
ECO4_A_75	2.72	2.93	2.98	0.06	5.68
ECO4_A_100	2.75	2.95	3.01	0.06	6.43
ECO5_A_125	2.16	2.43	2.45	0.02	0.64
ECO5_A_150	2.10	2.34	2.36	0.02	0.56
ECO5_A_200	2.00	2.19	2.20	0.01	0.42
ECO6_A_10	2.34	2.66	2.73	0.07	7.17
ECO6_A_20	2.15	2.40	2.46	0.06	5.68
ECO6_A_30	2.04	2.26	2.31	0.05	4.85
ECO6_A_40	1.97	2.16	2.20	0.04	4.30
ECO6_A_50	1.91	2.09	2.12	0.04	3.86
ECO6_A_75	1.82	1.96	2.00	0.03	3.13
ECO6_A_100	1.77	1.89	1.91	0.03	2.62
ECO6_A_150	1.70	1.79	1.81	0.02	1.94
ECO6_A_200	1.66	1.73	1.74	0.02	1.54
ECO7_A_150	1.81	1.89	1.91	0.02	0.76
ECO7_A_200	1.77	1.84	1.85	0.02	0.60
ECO8_A_10	5.80	5.96	5.97	0.01	0.93
ECO8_A_20	4.95	5.08	5.09	0.01	0.97
ECO8_A_30	4.45	4.58	4.59	0.01	0.92
ECO8_A_40	4.11	4.23	4.23	0.01	0.86
ECO8_A_50	3.83	3.94	3.95	0.01	0.78
ECO8_A_75	3.37	3.46	3.47	0.01	0.63
ECO8_B_10	5.85	5.94	5.96	0.02	2.20
ECO8_B_20	5.14	5.24	5.26	0.02	1.77
ECO8_B_30	4.64	4.74	4.76	0.02	1.50
ECO8_B_40	4.31	4.41	4.42	0.01	1.34
ECO8_B_50	4.05	4.15	4.16	0.01	1.22
ECO8_B_75	3.57	3.66	3.67	0.01	0.98

Receptor ID	Annual Mean NH_3 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO8_B_100	3.23	3.31	3.32	0.01	0.81
ECO9_A_15	3.84	4.42	4.52	0.10	3.34
ECO9_A_25	3.47	3.97	4.05	0.09	2.91
ECO9_A_35	3.22	3.66	3.74	0.08	2.60
ECO9_A_45	3.04	3.43	3.50	0.07	2.36
ECO9_A_55	2.89	3.25	3.32	0.06	2.16
ECO9_A_80	2.63	2.92	2.98	0.05	1.79
ECO9_A_105	2.45	2.70	2.74	0.05	1.50
ECO9_A_155	2.22	2.40	2.43	0.03	1.11
ECO9_A_205	2.07	2.21	2.24	0.03	0.86
ECO9_B_10	5.16	6.01	6.18	0.17	5.57
ECO9_B_20	4.48	5.18	5.32	0.14	4.53
ECO9_B_30	4.07	4.68	4.80	0.12	3.94
ECO9_B_40	3.78	4.34	4.44	0.11	3.55
ECO10_A_30	2.65	2.94	2.92	-0.03	-2.60
ECO10_A_40	2.54	2.80	2.79	-0.01	-1.47
ECO10_A_50	2.47	2.70	2.69	-0.01	-0.69
ECO10_A_60	2.41	2.63	2.63	0.00	-0.17
ECO10_A_70	2.37	2.57	2.57	0.00	0.30
ECO10_A_95	2.29	2.47	2.48	0.01	1.08
ECO10_A_120	2.24	2.40	2.41	0.02	1.61
ECO10_A_170	2.17	2.30	2.32	0.02	2.28
ECO11_A_15	6.48	7.27	7.45	0.18	6.00
ECO11_A_25	5.70	6.38	6.54	0.16	5.46
ECO11_A_35	5.14	5.73	5.88	0.15	5.05
ECO11_A_45	4.74	5.27	5.42	0.14	4.76
ECO11_A_55	4.46	4.95	5.08	0.14	4.55
ECO11_A_80	3.94	4.34	4.46	0.12	4.15
ECO11_A_105	3.58	3.91	4.03	0.12	3.88
ECO11_A_155	3.13	3.38	3.49	0.11	3.57
ECO11_A_205	2.85	3.05	3.16	0.10	3.42
ECO12_A_10	2.53	2.79	2.76	-0.03	-2.93

Receptor ID	Annual Mean NH_3 Concentration (µg.m^{-3})			With – Without (µg.m^{-3})	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO12_A_20	2.41	2.62	2.60	-0.01	-1.48
ECO12_A_30	2.33	2.52	2.51	-0.01	-0.65
ECO12_A_40	2.28	2.46	2.45	0.00	-0.08
ECO12_A_50	2.25	2.41	2.41	0.00	0.34
ECO12_A_75	2.19	2.33	2.34	0.01	1.07
ECO12_A_100	2.15	2.27	2.29	0.02	1.58
ECO12_A_150	2.11	2.21	2.23	0.02	2.22
ECO12_A_200	2.08	2.18	2.20	0.03	2.61
ECO13_A_125	3.26	3.66	3.73	0.07	7.21
ECO13_A_150	3.08	3.43	3.49	0.06	6.32
ECO13_A_200	2.80	3.08	3.12	0.05	4.94
ECO14_A_50	4.28	4.47	4.47	0.00	0.06
ECO14_A_75	3.72	3.88	3.88	0.00	0.10
ECO15_A_20	6.77	7.67	7.86	0.19	19.07
ECO15_A_30	6.18	6.97	7.14	0.17	17.18
ECO15_A_40	5.71	6.43	6.58	0.15	15.49
ECO15_A_50	5.36	6.01	6.15	0.14	14.07
ECO15_A_75	4.72	5.26	5.37	0.11	11.20
ECO15_A_100	4.28	4.75	4.84	0.09	9.02
ECO16_A_30	3.83	4.34	4.41	0.08	2.64
ECO16_A_40	3.53	3.97	4.04	0.07	2.34
ECO16_A_50	3.31	3.71	3.77	0.06	2.12
ECO16_A_75	2.94	3.26	3.31	0.05	1.72
ECO16_A_100	2.70	2.97	3.02	0.04	1.44
ECO16_A_150	2.39	2.60	2.63	0.03	1.06
ECO16_A_200	2.20	2.36	2.39	0.02	0.82
ECO17_A_10	1.43	4.53	4.53	0.01	0.25
ECO17_A_20	1.43	3.61	3.61	0.01	0.18
ECO17_A_30	1.43	3.14	3.15	0.00	0.15
ECO17_A_40	1.43	2.83	2.83	0.00	0.13
ECO17_A_50	1.43	2.64	2.64	0.00	0.11
ECO17_A_75	1.43	2.40	2.40	0.00	0.10

Receptor ID	Annual Mean NH_3 Concentration ($\mu g.m^{-3}$)			With – Without ($\mu g.m^{-3}$)	% Change of Critical Level
	2024 Baseline	2042 Baseline	2042 With Development		
ECO17_A_100	1.43	2.20	2.20	0.00	0.08
ECO17_A_150	1.44	1.98	1.98	0.00	0.07
ECO17_A_200	1.44	1.86	1.86	0.00	0.06
ECO17_B_10	1.42	4.10	4.10	0.01	0.21
ECO17_B_20	1.42	3.46	3.46	0.00	0.17
ECO17_B_30	1.42	3.12	3.13	0.00	0.14
ECO17_B_40	1.42	2.87	2.88	0.00	0.13
ECO17_B_50	1.42	2.71	2.72	0.00	0.11
ECO17_B_75	1.42	2.51	2.51	0.00	0.10
ECO17_B_100	1.42	2.32	2.33	0.00	0.09
ECO17_B_150	1.42	2.11	2.12	0.00	0.07
ECO17_B_200	1.42	1.98	1.98	0.00	0.06
ECO17_C_10	2.24	2.31	2.33	0.01	0.35
ECO17_C_20	2.01	2.07	2.08	0.01	0.26
ECO17_C_30	1.87	1.94	1.94	0.01	0.21
ECO17_C_40	1.78	1.84	1.85	0.01	0.18
ECO17_C_50	1.73	1.79	1.79	0.00	0.15
ECO17_C_75	1.66	1.72	1.72	0.00	0.13
ECO17_C_100	1.61	1.66	1.67	0.00	0.10
ECO17_C_150	1.55	1.60	1.61	0.00	0.07
ECO17_C_200	1.51	1.57	1.57	0.00	0.06

Table 4.5.55: Predicted Nitrogen Deposition Changes due to 2042 Opening Year Traffic, with Framework Travel Plan

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_A_10	17.97	18.00	18.51	0.51	5.06
ECO1_A_20	17.90	17.93	18.34	0.41	4.11
ECO1_A_30	17.86	17.89	18.25	0.36	3.65
ECO1_A_40	17.83	17.86	18.19	0.33	3.34
ECO1_A_50	17.81	17.83	18.15	0.31	3.12
ECO1_A_75	17.77	17.79	18.06	0.27	2.73

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_A_100	17.74	17.76	18.00	0.25	2.47
ECO1_A_150	17.68	17.69	17.90	0.21	2.06
ECO1_A_200	17.64	17.64	17.82	0.18	1.79
ECO1_B_10	17.77	17.79	18.21	0.42	4.17
ECO1_B_20	17.74	17.76	18.12	0.36	3.60
ECO1_B_30	17.72	17.75	18.08	0.33	3.34
ECO1_B_40	17.72	17.74	18.06	0.32	3.21
ECO1_B_50	17.72	17.74	18.06	0.31	3.12
ECO1_B_75	17.73	17.76	18.07	0.31	3.06
ECO1_B_100	17.76	17.80	18.11	0.31	3.11
ECO1_B_150	17.83	17.87	18.21	0.34	3.43
ECO1_B_200	17.89	17.94	18.32	0.38	3.80
ECO1_C_10	21.55	22.03	22.91	0.88	8.84
ECO1_C_20	20.57	20.95	22.74	1.79	17.94
ECO1_C_30	20.06	20.39	22.59	2.20	22.02
ECO1_C_40	19.70	19.99	22.43	2.44	24.45
ECO1_C_50	19.49	19.75	22.30	2.55	25.47
ECO1_C_75	19.11	19.33	22.01	2.69	26.87
ECO1_C_100	18.88	19.07	21.77	2.70	26.98
ECO1_C_150	18.60	18.75	21.36	2.61	26.12
ECO1_C_200	18.42	18.55	20.97	2.42	24.24
ECO1_D_10	22.37	22.92	22.97	0.05	0.52
ECO1_D_20	21.26	21.69	23.24	1.55	15.48
ECO1_D_30	20.73	21.12	23.54	2.43	24.27
ECO1_D_40	20.36	20.71	23.92	3.21	32.05
ECO1_D_50	20.11	20.43	24.37	3.94	39.38
ECO1_E_10	19.45	19.70	31.67	11.97	119.71
ECO1_E_20	19.52	19.78	28.92	9.14	91.43
ECO1_E_30	19.60	19.87	27.22	7.35	73.45
ECO1_E_40	19.71	19.99	26.11	6.12	61.18
ECO1_E_50	19.81	20.11	25.36	5.25	52.50
ECO1_F_10	19.32	19.56	31.00	11.44	114.44
ECO1_F_20	19.28	19.51	28.40	8.90	88.95
ECO1_F_30	19.24	19.46	26.77	7.31	73.05
ECO1_F_40	19.21	19.43	25.71	6.28	62.79
ECO1_F_50	19.19	19.39	24.93	5.54	55.36

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_F_75	19.14	19.33	23.65	4.32	43.19
ECO1_F_100	19.11	19.30	22.86	3.56	35.64
ECO1_F_150	19.09	19.27	21.92	2.65	26.49
ECO1_F_200	19.12	19.29	21.40	2.10	21.03
ECO1_G_10	46.14	48.05	49.20	1.15	11.45
ECO1_G_20	40.29	41.82	42.86	1.04	10.35
ECO1_G_30	36.75	38.06	39.02	0.97	9.66
ECO1_G_40	34.29	35.44	36.35	0.91	9.15
ECO1_G_50	32.44	33.47	34.34	0.88	8.78
ECO1_G_75	29.25	30.06	30.88	0.82	8.15
ECO1_G_100	27.16	27.83	28.60	0.78	7.77
ECO1_G_150	24.53	25.01	25.76	0.74	7.43
ECO1_G_200	22.87	23.24	23.98	0.74	7.44
ECO1_H_10	57.84	60.18	61.61	1.43	14.27
ECO1_H_20	49.86	51.76	53.00	1.24	12.38
ECO1_H_30	45.24	46.90	48.03	1.13	11.27
ECO1_H_40	42.34	43.86	44.91	1.06	10.57
ECO1_H_50	39.90	41.29	42.28	1.00	9.96
ECO1_H_75	35.83	37.00	37.90	0.89	8.92
ECO1_H_100	32.97	33.99	34.80	0.81	8.12
ECO1_H_150	29.29	30.08	30.78	0.70	6.98
ECO1_H_200	26.79	27.42	28.03	0.61	6.12
ECO2_A_15	44.04	45.82	47.02	1.20	24.10
ECO2_A_25	39.06	40.50	41.61	1.11	22.19
ECO2_A_35	35.94	37.17	38.22	1.05	20.93
ECO2_A_45	33.72	34.82	35.82	1.00	20.07
ECO2_A_55	32.03	33.02	33.99	0.97	19.41
ECO2_A_80	29.04	29.85	30.76	0.91	18.30
ECO2_A_105	27.04	27.71	28.59	0.88	17.60
ECO2_A_155	24.44	24.93	25.77	0.84	16.90
ECO3_A	32.66	32.43	36.41	3.98	39.79
ECO3_B_	32.84	32.62	36.02	3.40	33.96
ECO3_C_	33.29	33.08	35.64	2.56	25.55
ECO4_A_10	40.02	40.84	40.97	0.13	1.27
ECO4_A_20	39.66	40.30	40.59	0.29	2.91
ECO4_A_30	39.53	40.07	40.45	0.38	3.83

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO4_A_40	39.47	39.95	40.40	0.44	4.43
ECO4_A_50	39.48	39.92	40.40	0.49	4.88
ECO4_A_75	39.62	39.99	40.56	0.57	5.65
ECO4_A_100	39.84	40.17	40.79	0.62	6.19
ECO5_A_125	18.74	19.53	19.65	0.11	1.14
ECO5_A_150	18.40	19.06	19.16	0.10	1.00
ECO5_A_200	17.76	18.21	18.28	0.08	0.76
ECO6_A_10	36.54	37.35	38.03	0.68	6.80
ECO6_A_20	34.63	35.21	35.75	0.54	5.38
ECO6_A_30	33.55	34.01	34.47	0.46	4.59
ECO6_A_40	32.82	33.20	33.61	0.41	4.07
ECO6_A_50	32.25	32.56	32.93	0.36	3.65
ECO6_A_75	31.36	31.57	31.86	0.30	2.96
ECO6_A_100	30.79	30.91	31.16	0.24	2.45
ECO6_A_150	30.08	30.10	30.28	0.17	1.74
ECO6_A_200	29.66	29.62	29.76	0.14	1.37
ECO7_A_150	16.43	16.53	16.66	0.13	1.32
ECO7_A_200	16.19	16.23	16.34	0.10	1.04
ECO8_A_10	69.87	64.88	65.00	0.11	1.14
ECO8_A_20	61.85	57.50	57.61	0.11	1.13
ECO8_A_30	57.12	53.21	53.32	0.11	1.06
ECO8_A_40	53.77	50.21	50.31	0.10	0.99
ECO8_A_50	51.03	47.78	47.87	0.09	0.90
ECO8_A_75	46.44	43.73	43.80	0.07	0.72
ECO8_B_10	70.33	64.75	64.97	0.22	2.18
ECO8_B_20	63.72	58.87	59.05	0.18	1.77
ECO8_B_30	58.93	54.62	54.77	0.15	1.54
ECO8_B_40	55.71	51.78	51.91	0.14	1.39
ECO8_B_50	53.17	49.54	49.67	0.13	1.26
ECO8_B_75	48.46	45.40	45.50	0.10	1.02
ECO8_B_100	45.11	42.47	42.56	0.09	0.86
ECO9_A_15	51.41	51.57	52.40	0.83	8.28
ECO9_A_25	47.76	47.81	48.53	0.72	7.21
ECO9_A_35	45.29	45.29	45.93	0.65	6.47
ECO9_A_45	43.43	43.39	43.98	0.58	5.84
ECO9_A_55	41.96	41.89	42.43	0.54	5.39

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO9_A_80	39.31	39.19	39.63	0.44	4.41
ECO9_A_105	37.49	37.32	37.70	0.38	3.75
ECO9_A_155	35.09	34.86	35.13	0.27	2.74
ECO9_A_205	33.58	33.30	33.52	0.21	2.14
ECO9_B_10	64.15	64.69	66.06	1.37	13.73
ECO9_B_20	57.60	57.83	58.95	1.12	11.19
ECO9_B_30	53.63	53.72	54.70	0.98	9.76
ECO9_B_40	50.82	50.85	51.73	0.88	8.78
ECO10_A_30	39.27	40.49	40.43	-0.06	-0.60
ECO10_A_40	38.29	39.32	39.34	0.01	0.15
ECO10_A_50	37.60	38.51	38.57	0.06	0.64
ECO10_A_60	37.13	37.95	38.05	0.10	1.01
ECO10_A_70	36.71	37.45	37.58	0.13	1.32
ECO10_A_95	36.01	36.62	36.80	0.18	1.84
ECO10_A_120	35.54	36.04	36.25	0.22	2.18
ECO10_A_170	34.89	35.25	35.51	0.26	2.58
ECO11_A_15	71.77	73.75	75.27	1.52	15.17
ECO11_A_25	64.90	66.56	67.94	1.39	13.88
ECO11_A_35	59.93	61.36	62.65	1.29	12.87
ECO11_A_45	56.40	57.67	58.88	1.21	12.15
ECO11_A_55	53.89	55.03	56.19	1.17	11.66
ECO11_A_80	49.20	50.10	51.17	1.07	10.68
ECO11_A_105	45.95	46.67	47.67	1.00	10.02
ECO11_A_155	41.91	42.40	43.33	0.93	9.28
ECO11_A_205	39.39	39.73	40.62	0.89	8.93
ECO12_A_10	37.49	38.56	38.45	-0.11	-1.10
ECO12_A_20	36.33	37.16	37.15	-0.01	-0.14
ECO12_A_30	35.66	36.36	36.40	0.04	0.42
ECO12_A_40	35.21	35.82	35.90	0.08	0.80
ECO12_A_50	34.88	35.43	35.54	0.11	1.10
ECO12_A_75	34.34	34.77	34.93	0.16	1.57
ECO12_A_100	33.99	34.34	34.53	0.19	1.94
ECO12_A_150	33.60	33.84	34.08	0.23	2.35
ECO12_A_200	33.38	33.57	33.83	0.26	2.61
ECO13_A_125	44.47	44.29	44.89	0.60	5.97
ECO13_A_150	42.64	42.40	42.92	0.52	5.22

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO13_A_200	39.81	39.49	39.89	0.41	4.08
ECO14_A_50	55.22	52.02	52.05	0.03	0.26
ECO14_A_75	49.74	47.02	47.05	0.03	0.27
ECO15_A_20	79.42	79.55	81.16	1.61	16.06
ECO15_A_30	73.96	73.73	75.18	1.45	14.50
ECO15_A_40	69.62	69.15	70.46	1.31	13.13
ECO15_A_50	66.26	65.64	66.83	1.19	11.93
ECO15_A_75	60.18	59.34	60.29	0.95	9.55
ECO15_A_100	56.01	55.04	55.81	0.77	7.70
ECO16_A_30	29.52	29.89	30.32	0.43	4.30
ECO16_A_40	27.64	27.91	28.29	0.38	3.83
ECO16_A_50	26.26	26.47	26.82	0.35	3.45
ECO16_A_75	23.93	24.05	24.33	0.28	2.82
ECO16_A_100	22.42	22.48	22.72	0.24	2.36
ECO16_A_150	20.46	20.44	20.61	0.17	1.74
ECO16_A_200	19.24	19.17	19.31	0.13	1.34
ECO17_A_10	16.66	31.08	31.12	0.04	0.42
ECO17_A_20	16.05	26.11	26.14	0.03	0.32
ECO17_A_30	15.73	23.60	23.62	0.03	0.27
ECO17_A_40	15.51	21.89	21.91	0.02	0.23
ECO17_A_50	15.37	20.86	20.88	0.02	0.20
ECO17_A_75	15.19	19.54	19.56	0.02	0.17
ECO17_A_100	15.05	18.49	18.50	0.01	0.14
ECO17_A_150	14.90	17.30	17.31	0.01	0.10
ECO17_A_200	14.82	16.61	16.62	0.01	0.10
ECO17_B_10	16.43	28.84	28.88	0.04	0.35
ECO17_B_20	16.00	25.41	25.43	0.03	0.28
ECO17_B_30	15.76	23.58	23.61	0.02	0.24
ECO17_B_40	15.58	22.23	22.25	0.02	0.22
ECO17_B_50	15.46	21.37	21.39	0.02	0.20
ECO17_B_75	15.30	20.24	20.25	0.02	0.17
ECO17_B_100	15.16	19.24	19.26	0.01	0.14
ECO17_B_150	15.00	18.11	18.12	0.01	0.12
ECO17_B_200	14.90	17.39	17.40	0.01	0.11
ECO17_C_10	19.34	19.08	19.14	0.06	0.61
ECO17_C_20	17.93	17.78	17.82	0.05	0.45

Receptor ID	Annual Mean N Deposition Concentration (kg/h/yr)			With – Without (kg/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO17_C_30	17.12	17.03	17.07	0.04	0.37
ECO17_C_40	16.59	16.54	16.57	0.03	0.30
ECO17_C_50	16.26	16.24	16.27	0.03	0.26
ECO17_C_75	15.86	15.87	15.90	0.02	0.21
ECO17_C_100	15.52	15.57	15.58	0.02	0.17
ECO17_C_150	15.16	15.25	15.26	0.01	0.12
ECO17_C_200	14.96	15.07	15.08	0.01	0.09

Table 4.5.56: Predicted Acid Deposition Changes due to 2042 Opening Year Traffic, With Framework Travel Plan

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_A_10	1.36	1.36	1.40	0.04	3.60
ECO1_A_20	1.36	1.36	1.39	0.03	2.93
ECO1_A_30	1.35	1.35	1.38	0.03	2.60
ECO1_A_40	1.35	1.35	1.38	0.02	2.37
ECO1_A_50	1.35	1.35	1.37	0.02	2.22
ECO1_A_75	1.35	1.35	1.37	0.02	1.94
ECO1_A_100	1.34	1.35	1.36	0.02	1.75
ECO1_A_150	1.34	1.34	1.36	0.01	1.47
ECO1_A_200	1.34	1.34	1.35	0.01	1.27
ECO1_B_10	1.35	1.35	1.38	0.03	2.97
ECO1_B_20	1.34	1.34	1.37	0.03	2.56
ECO1_B_30	1.34	1.34	1.37	0.02	2.38
ECO1_B_40	1.34	1.34	1.37	0.02	2.28
ECO1_B_50	1.34	1.34	1.37	0.02	2.22
ECO1_B_75	1.34	1.34	1.37	0.02	2.18
ECO1_B_100	1.34	1.35	1.37	0.02	2.21
ECO1_B_150	1.35	1.35	1.38	0.02	2.44
ECO1_B_200	1.35	1.36	1.38	0.03	2.70
ECO1_C_10	1.60	1.64	1.70	0.06	6.29
ECO1_C_20	1.54	1.56	1.69	0.13	12.76
ECO1_C_30	1.50	1.52	1.68	0.16	15.67
ECO1_C_40	1.47	1.49	1.67	0.17	17.40
ECO1_C_50	1.46	1.48	1.66	0.18	18.12

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_C_75	1.43	1.45	1.64	0.19	19.12
ECO1_C_100	1.42	1.43	1.62	0.19	19.20
ECO1_C_150	1.40	1.41	1.59	0.19	18.59
ECO1_C_200	1.38	1.39	1.56	0.17	17.25
ECO1_D_10	1.66	1.70	1.70	0.00	0.37
ECO1_D_20	1.58	1.61	1.72	0.11	11.02
ECO1_D_30	1.54	1.57	1.74	0.17	17.27
ECO1_D_40	1.52	1.54	1.77	0.23	22.81
ECO1_D_50	1.50	1.52	1.80	0.28	28.03
ECO1_E_10	1.45	1.47	2.32	0.85	85.19
ECO1_E_20	1.46	1.48	2.13	0.65	65.06
ECO1_E_30	1.46	1.48	2.01	0.52	52.27
ECO1_E_40	1.47	1.49	1.93	0.44	43.54
ECO1_E_50	1.48	1.50	1.87	0.37	37.36
ECO1_F_10	1.44	1.46	2.28	0.81	81.44
ECO1_F_20	1.44	1.46	2.09	0.63	63.30
ECO1_F_30	1.44	1.45	1.97	0.52	51.98
ECO1_F_40	1.44	1.45	1.90	0.45	44.68
ECO1_F_50	1.43	1.45	1.84	0.39	39.40
ECO1_F_75	1.43	1.45	1.75	0.31	30.74
ECO1_F_100	1.43	1.44	1.70	0.25	25.36
ECO1_F_150	1.43	1.44	1.63	0.19	18.85
ECO1_F_200	1.43	1.44	1.59	0.15	14.96
ECO1_G_10	3.35	3.49	3.57	0.08	8.15
ECO1_G_20	2.94	3.05	3.12	0.07	7.37
ECO1_G_30	2.69	2.78	2.85	0.07	6.87
ECO1_G_40	2.51	2.59	2.66	0.07	6.51
ECO1_G_50	2.38	2.45	2.51	0.06	6.25
ECO1_G_75	2.15	2.21	2.27	0.06	5.80
ECO1_G_100	2.00	2.05	2.10	0.06	5.53
ECO1_G_150	1.81	1.85	1.90	0.05	5.28
ECO1_G_200	1.70	1.72	1.78	0.05	5.29
ECO1_H_10	4.18	4.35	4.45	0.10	10.16
ECO1_H_20	3.61	3.75	3.84	0.09	8.81
ECO1_H_30	3.29	3.40	3.48	0.08	8.02
ECO1_H_40	3.08	3.19	3.26	0.08	7.52

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO1_H_50	2.91	3.00	3.08	0.07	7.08
ECO1_H_75	2.62	2.70	2.76	0.06	6.35
ECO1_H_100	2.41	2.48	2.54	0.06	5.78
ECO1_H_150	2.15	2.21	2.26	0.05	4.96
ECO1_H_200	1.97	2.02	2.06	0.04	4.36
ECO2_A_15	3.20	3.33	3.42	0.09	8.57
ECO2_A_25	2.85	2.95	3.03	0.08	7.90
ECO2_A_35	2.63	2.71	2.79	0.07	7.45
ECO2_A_45	2.47	2.55	2.62	0.07	7.14
ECO2_A_55	2.35	2.42	2.49	0.07	6.91
ECO2_A_80	2.14	2.19	2.26	0.07	6.51
ECO2_A_105	1.99	2.04	2.10	0.06	6.26
ECO2_A_155	1.81	1.84	1.90	0.06	6.01
ECO3_A	2.41	2.39	2.68	0.28	28.32
ECO3_B_	2.42	2.41	2.65	0.24	24.17
ECO3_C_	2.45	2.44	2.62	0.18	18.19
ECO4_A_10	2.95	3.01	3.02	0.01	0.91
ECO4_A_20	2.93	2.97	3.00	0.02	2.07
ECO4_A_30	2.92	2.96	2.99	0.03	2.72
ECO4_A_40	2.92	2.95	2.98	0.03	3.15
ECO4_A_50	2.92	2.95	2.98	0.03	3.47
ECO4_A_75	2.93	2.95	2.99	0.04	4.02
ECO4_A_100	2.94	2.97	3.01	0.04	4.41
ECO5_A_125	1.38	1.43	1.44	0.01	0.81
ECO5_A_150	1.35	1.40	1.41	0.01	0.71
ECO5_A_200	1.31	1.34	1.34	0.01	0.54
ECO6_A_10	2.67	2.73	2.78	0.05	4.84
ECO6_A_20	2.54	2.58	2.62	0.04	3.83
ECO6_A_30	2.46	2.49	2.52	0.03	3.27
ECO6_A_40	2.41	2.43	2.46	0.03	2.90
ECO6_A_50	2.37	2.39	2.41	0.03	2.60
ECO6_A_75	2.30	2.32	2.34	0.02	2.11
ECO6_A_100	2.26	2.27	2.29	0.02	1.74
ECO6_A_150	2.21	2.21	2.23	0.01	1.24
ECO6_A_200	2.18	2.18	2.19	0.01	0.97
ECO7_A_150	1.21	1.21	1.22	0.01	0.94

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO7_A_200	1.19	1.19	1.20	0.01	0.74
ECO8_A_10	5.04	4.69	4.70	0.01	0.82
ECO8_A_20	4.47	4.16	4.17	0.01	0.80
ECO8_A_30	4.14	3.86	3.86	0.01	0.76
ECO8_A_40	3.90	3.64	3.65	0.01	0.70
ECO8_A_50	3.70	3.47	3.48	0.01	0.64
ECO8_A_75	3.38	3.18	3.19	0.01	0.51
ECO8_B_10	5.08	4.68	4.69	0.02	1.55
ECO8_B_20	4.61	4.26	4.27	0.01	1.26
ECO8_B_30	4.26	3.96	3.97	0.01	1.09
ECO8_B_40	4.04	3.75	3.76	0.01	0.99
ECO8_B_50	3.85	3.60	3.60	0.01	0.90
ECO8_B_75	3.52	3.30	3.31	0.01	0.73
ECO8_B_100	3.28	3.09	3.10	0.01	0.61
ECO9_A_15	3.73	3.74	3.80	0.06	5.89
ECO9_A_25	3.47	3.47	3.52	0.05	5.13
ECO9_A_35	3.29	3.29	3.34	0.05	4.60
ECO9_A_45	3.16	3.16	3.20	0.04	4.16
ECO9_A_55	3.06	3.05	3.09	0.04	3.83
ECO9_A_80	2.87	2.86	2.89	0.03	3.14
ECO9_A_105	2.74	2.73	2.75	0.03	2.67
ECO9_A_155	2.57	2.55	2.57	0.02	1.95
ECO9_A_205	2.46	2.44	2.45	0.02	1.53
ECO9_B_10	4.64	4.67	4.77	0.10	9.77
ECO9_B_20	4.17	4.18	4.26	0.08	7.96
ECO9_B_30	3.89	3.89	3.96	0.07	6.95
ECO9_B_40	3.69	3.69	3.75	0.06	6.25
ECO10_A_30	2.91	2.99	2.99	0.00	-0.43
ECO10_A_40	2.84	2.91	2.91	0.00	0.11
ECO10_A_50	2.79	2.85	2.86	0.00	0.46
ECO10_A_60	2.75	2.81	2.82	0.01	0.72
ECO10_A_70	2.72	2.78	2.79	0.01	0.94
ECO10_A_95	2.67	2.72	2.73	0.01	1.31
ECO10_A_120	2.64	2.68	2.69	0.02	1.55
ECO10_A_170	2.59	2.62	2.64	0.02	1.84
ECO11_A_15	5.20	5.34	5.45	0.11	10.80

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO11_A_25	4.71	4.83	4.93	0.10	9.87
ECO11_A_35	4.36	4.46	4.55	0.09	9.16
ECO11_A_45	4.11	4.20	4.28	0.09	8.65
ECO11_A_55	3.93	4.01	4.09	0.08	8.30
ECO11_A_80	3.59	3.66	3.73	0.08	7.60
ECO11_A_105	3.36	3.41	3.49	0.07	7.13
ECO11_A_155	3.08	3.11	3.18	0.07	6.60
ECO11_A_205	2.90	2.92	2.98	0.06	6.35
ECO12_A_10	2.77	2.85	2.84	-0.01	-0.78
ECO12_A_20	2.69	2.75	2.75	0.00	-0.10
ECO12_A_30	2.64	2.69	2.70	0.00	0.30
ECO12_A_40	2.61	2.66	2.66	0.01	0.57
ECO12_A_50	2.59	2.63	2.64	0.01	0.79
ECO12_A_75	2.55	2.58	2.59	0.01	1.12
ECO12_A_100	2.53	2.55	2.56	0.01	1.38
ECO12_A_150	2.50	2.51	2.53	0.02	1.67
ECO12_A_200	2.48	2.50	2.51	0.02	1.86
ECO13_A_125	3.24	3.23	3.27	0.04	4.25
ECO13_A_150	3.11	3.09	3.13	0.04	3.72
ECO13_A_200	2.91	2.88	2.91	0.03	2.91
ECO14_A_50	4.00	3.77	3.78	0.00	0.19
ECO14_A_75	3.61	3.42	3.42	0.00	0.19
ECO15_A_20	5.73	5.74	5.85	0.11	11.43
ECO15_A_30	5.34	5.33	5.43	0.10	10.32
ECO15_A_40	5.03	5.00	5.09	0.09	9.34
ECO15_A_50	4.80	4.75	4.83	0.08	8.49
ECO15_A_75	4.36	4.30	4.37	0.07	6.79
ECO15_A_100	4.07	4.00	4.05	0.05	5.48
ECO16_A_30	2.14	2.17	2.20	0.03	3.06
ECO16_A_40	2.01	2.03	2.05	0.03	2.73
ECO16_A_50	1.91	1.92	1.95	0.02	2.46
ECO16_A_75	1.74	1.75	1.77	0.02	2.01
ECO16_A_100	1.64	1.64	1.66	0.02	1.68
ECO16_A_150	1.50	1.50	1.51	0.01	1.24
ECO16_A_200	1.41	1.41	1.41	0.01	0.96
ECO17_A_10	1.20	2.22	2.23	0.00	0.30

Receptor ID	Annual Mean Acid Deposition Concentration (keq/h/yr)			With – Without (keq/h/yr)	% Change of Critical Load
	2024 Baseline	2042 Baseline	2042 With Development		
ECO17_A_20	1.15	1.87	1.87	0.00	0.23
ECO17_A_30	1.13	1.69	1.69	0.00	0.19
ECO17_A_40	1.11	1.57	1.57	0.00	0.17
ECO17_A_50	1.10	1.50	1.50	0.00	0.14
ECO17_A_75	1.09	1.40	1.40	0.00	0.12
ECO17_A_100	1.08	1.33	1.33	0.00	0.10
ECO17_A_150	1.07	1.24	1.24	0.00	0.07
ECO17_A_200	1.07	1.19	1.19	0.00	0.07
ECO17_B_10	1.27	2.16	2.16	0.00	0.25
ECO17_B_20	1.24	1.91	1.91	0.00	0.20
ECO17_B_30	1.23	1.78	1.78	0.00	0.17
ECO17_B_40	1.21	1.69	1.69	0.00	0.15
ECO17_B_50	1.20	1.62	1.63	0.00	0.14
ECO17_B_75	1.19	1.54	1.55	0.00	0.12
ECO17_B_100	1.18	1.47	1.47	0.00	0.10
ECO17_B_150	1.17	1.39	1.39	0.00	0.09
ECO17_B_200	1.16	1.34	1.34	0.00	0.08
ECO17_C_10	1.39	1.37	1.37	0.00	0.43
ECO17_C_20	1.29	1.28	1.28	0.00	0.32
ECO17_C_30	1.23	1.22	1.23	0.00	0.27
ECO17_C_40	1.19	1.19	1.19	0.00	0.22
ECO17_C_50	1.17	1.17	1.17	0.00	0.18
ECO17_C_75	1.14	1.14	1.14	0.00	0.15
ECO17_C_100	1.12	1.12	1.12	0.00	0.12
ECO17_C_150	1.09	1.10	1.10	0.00	0.08
ECO17_C_200	1.08	1.08	1.08	0.00	0.06

Odour Sniff Test Results Tables

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Avg. Intensity	% Time	Description/Source	Odour Exposure
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0%	Truck Passed	Negligible
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0%	-	Negligible
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
5																						0%	JM Only	
6																						0%	JM Only	
7	1	1	0	0	0	0	0	1	0	1	1	0	1	0	0	0	1	0	0	0	0	0%	-	Negligible
8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
9																						0%	JM Only	
10	1	0	1	1	0	0	0	1	1	0	0	1	1	0	0	0	0	1	0	0	0	0%	-	Negligible
11																						0%	JM Only	
12																						0%	JM Only	
13	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0%	-	Negligible
16	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0%	-	Negligible
17	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0%	-	Negligible
19	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0%	-	Negligible

Weather: Dry and Sunny (1/8 Cloud Cover)
Wind Direction (From): S
Beaufort Wind Scale: 3 (Gentle Breeze), with occasional gusts
Temperature: 19-23°C
Pressure: 1015mb
Relative Humidity: 42%

Date: 09.09.2025
Time: 09:15 - 11:00

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Avg. Intensity	% Time	Description/Source	Odour Exposure
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0%	Truck Passed	Negligible
3																						0%	JFM Only	Negligible
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
7																						0%	JFM Only	Negligible
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
10	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
11	1	0	0	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0%	-	Negligible
12	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
14																						0%	JFM Only	Negligible
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
17	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
18	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
19	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible

Weather: Dry and Sunny (1/8 Cloud Cover)
Wind Direction (From): S
Beaufort Wind Scale: 3 (Gentle Breeze), with occasional gusts
Temperature: 19-23°C
Pressure: 1015mb
Relative Humidity: 42%

Date: 09.09.2025
Time: 09:15 - 11:00

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Avg. Intensity	% Time	Description/Source	Odour Exposure
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0%	-	Negligible
4	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0%	-	Negligible
5																							JFM Only	
6																							JFM Only	
7																							JFM Only	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
10	0	1	1	0	0	1	1	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0%	-	Negligible
11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
12	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
13	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
14	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0%	-	Negligible
15	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0%	-	Negligible
16	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible

Weather: Dry, Warm, 5/8 Cloud Cover
Wind Direction (From): SSW
Beaufort Wind Scale: 3 - 4 (Gentle to Moderate Breeze), with occasional gusts
Temperature: 19-23°C
Pressure: 1019 - 1017mb
Relative Humidity: 85 - 60%

Date: 19.09.2025
Time: 09:10 - 10:45

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Avg. Intensity	% Time	Description/Source	Odour Exposure
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
2	1	1	1	0	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0%	-	Negligible
3																							JM Only	
4																							JM Only	Negligible
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
6	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
9	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
10	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	1	0%	-	Negligible
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
12	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
13																							JM Only	
14																							JM Only	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	Negligible
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0%	-	Negligible

Weather: Dry, Warm, 5/8 Cloud Cover
Wind Direction (From): SSW
Beaufort Wind Scale: 3 - 4 (Gentle to Moderate Breeze), with occasional gusts
Temperature: 19-23°C
Pressure: 1019 - 1017mb
Relative Humidity: 85 - 60%

Date: 19.09.2025
Time: 09:10 - 10:45

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