

Appendix AQT4: Proposed Receptor Results

1.1.19 The proposed receptor results are presented in Table AQT4-1.

Table AQT-4 1: Predicted Annual Mean Pollutant Concentrations for the Opening Year (2019) 'With Energy Plant' Scenario at Proposed Receptor Locations

Floor Level	Receptor	Annual Mean NO ₂ (µg.m ⁻³)	Annual Mean PM ₁₀ (µg.m ⁻³)	Number of Exceedances of the 24-hour Mean PM ₁₀ Objective (µg.m ⁻³)
Ground Level	PR1	67.23	18.31	25.51
	PR2	67.35	18.31	25.51
	PR3	67.55	18.32	25.50
	PR4	64.55	18.05	25.11
	PR5	64.02	18.02	25.07
	PR6	61.92	17.84	24.80
	PR7	60.53	17.73	24.63
	PR8	59.95	17.69	24.56
	PR9	59.71	17.66	24.53
	PR10	60.21	17.71	24.59
	PR11	60.95	17.76	24.67
	PR12	62.27	17.87	24.83
	PR13	61.86	17.84	24.79
First Floor	PR1	58.19	17.54	24.35
	PR2	58.31	17.54	24.36
	PR3	58.48	17.56	24.37
	PR4	58.17	17.53	24.33
	PR5	57.83	17.51	24.30
	PR6	57.36	17.47	24.24
	PR7	56.87	17.43	24.19
	PR8	56.63	17.41	24.16
	PR9	56.46	17.40	24.14
	PR10	56.77	17.43	24.17
	PR11	57.15	17.45	24.22
	PR12	57.62	17.49	24.27
	PR13	57.41	17.47	24.25
Second Floor	PR1	54.08	17.21	23.87
	PR2	54.15	17.22	23.87
	PR3	54.22	17.22	23.88
	PR4	54.44	17.24	23.90
	PR5	54.26	17.23	23.89
	PR6	54.30	17.23	23.89
	PR7	54.20	17.22	23.88
	PR8	54.14	17.22	23.87
	PR9	54.04	17.21	23.86
	PR10	54.21	17.22	23.88
	PR11	54.37	17.23	23.90
	PR12	54.46	17.24	23.91
	PR13	54.37	17.23	23.90
Third Floor	PR1	52.02	17.06	23.64
	PR2	52.05	17.06	23.64
	PR3	52.07	17.06	23.64
	PR4	52.27	17.07	23.66
	PR5	52.19	17.07	23.65
	PR6	52.33	17.08	23.67
	PR7	52.37	17.08	23.67
	PR8	52.38	17.08	23.67
	PR9	52.32	17.07	23.67
	PR10	52.42	17.08	23.68
	PR11	52.46	17.09	23.68

Floor Level	Receptor	Annual Mean NO ₂ (µg.m ⁻³)	Annual Mean PM ₁₀ (µg.m ⁻³)	Number of Exceedances of the 24-hour Mean PM ₁₀ Objective (µg.m ⁻³)
Fourth Floor	PR12	52.41	17.08	23.68
	PR13	52.38	17.08	23.67
	PR1	50.64	16.95	23.48
	PR2	50.64	16.95	23.48
	PR3	50.64	16.95	23.48
	PR4	50.74	16.96	23.49
	PR5	50.73	16.96	23.49
	PR6	50.84	16.96	23.50
	PR7	50.92	16.97	23.51
	PR8	50.96	16.97	23.51
	PR9	50.94	16.97	23.51
	PR10	50.98	16.97	23.52
	PR11	50.95	16.97	23.51
Fifth Floor	PR12	50.87	16.97	23.51
	PR13	50.87	16.97	23.51
	PR1	49.77	16.89	23.39
	PR2	49.76	16.89	23.39
	PR3	49.75	16.89	23.39
	PR4	49.80	16.89	23.39
	PR5	49.82	16.89	23.39
	PR6	49.88	16.89	23.40
	PR7	49.95	16.90	23.40
	PR8	49.99	16.90	23.41
	PR9	49.99	16.90	23.41
	PR10	49.99	16.90	23.41
	PR11	49.95	16.90	23.40
Sixth Floor	PR12	49.88	16.89	23.40
	PR13	49.89	16.89	23.40
	PR1	49.13	16.84	23.31
	PR2	49.12	16.84	23.31
	PR3	49.11	16.84	23.31
	PR4	49.12	16.84	23.31
	PR5	49.15	16.84	23.32
	PR6	49.18	16.84	23.32
	PR7	49.22	16.84	23.32
	PR8	49.25	16.84	23.33
	PR9	49.26	16.84	23.33
	PR10	49.24	16.84	23.33
	PR11	49.20	16.84	23.32
Seventh Floor	PR12	49.16	16.84	23.32
	PR13	49.18	16.84	23.32
	PR1	48.70	16.80	23.26
	PR2	48.69	16.80	23.26
	PR3	48.67	16.80	23.26
	PR4	48.68	16.80	23.26
	PR5	48.71	16.80	23.26
	PR6	48.73	16.80	23.27
	PR7	48.73	16.80	23.27
	PR8	48.73	16.80	23.27
	PR9	48.76	16.81	23.27
	PR10	48.72	16.80	23.27
	PR11	48.70	16.80	23.27
Eighth Floor	PR12	48.69	16.80	23.26
	PR13	48.71	16.80	23.27
	PR1	48.39	16.78	23.23
	PR2	48.38	16.77	23.23
	PR3	48.36	16.77	23.22
	PR4	48.37	16.77	23.22

Floor Level	Receptor	Annual Mean NO ₂ (µg.m ⁻³)	Annual Mean PM ₁₀ (µg.m ⁻³)	Number of Exceedances of the 24-hour Mean PM ₁₀ Objective (µg.m ⁻³)
	PR5	48.42	16.78	23.23
	PR6	48.45	16.78	23.23
	PR7	48.44	16.78	23.23
	PR8	48.36	16.78	23.23
	PR9	48.46	16.78	23.23
	PR10	48.41	16.78	23.23
	PR11	48.41	16.78	23.23
	PR12	48.39	16.77	23.23
	PR13	48.46	16.78	23.23