

### Appendix 11.3: Air Quality Assessment Results

Air pollutant concentrations have been modelled at the ESR and PSR locations, for the 2019 Verification and Base Year and 2021 Baseline, as detailed in Table A11.1 below.

Receptor	Scenario 1: 2019 Base Year				Scenario 2: 2021 Baseline			
	NO <sub>x</sub>	NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>x</sub>	NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
ESR 1	48.90	30.14	14.46	8.83	42.51	26.76	14.07	8.52
ESR 2	43.46	27.45	14.37	8.77	38.12	24.54	13.98	8.47
ESR 3	54.19	32.70	14.56	8.89	46.98	28.98	14.17	8.58
ESR 4	51.88	31.59	14.59	8.90	45.29	28.15	14.20	8.59
ESR 5	34.46	22.92	14.50	9.33	30.71	20.79	14.06	9.01
ESR 6	44.92	28.28	14.67	9.43	39.34	25.28	14.23	9.11
ESR 7	54.59	33.01	14.85	9.54	47.75	29.49	14.41	9.21
ESR 8	70.61	<u>40.60</u>	15.11	9.71	62.57	36.76	14.78	9.47
ESR 9	57.03	34.30	15.57	10.25	50.34	30.87	15.13	9.93
ESR 10	52.67	32.20	14.75	9.50	46.99	29.28	14.42	9.26
ESR 11	58.92	35.20	14.87	9.57	52.39	31.93	14.54	9.33
PSR 1	44.75	28.28	14.61	9.41	40.34	25.92	14.28	9.18
PSR 2	41.09	26.42	14.55	9.38	37.26	24.34	14.22	9.15
PSR 3	42.33	27.05	14.57	9.39	38.25	24.85	14.24	9.16
PSR 4	54.89	33.28	14.79	9.52	48.56	30.05	14.46	9.28
PSR 5	41.75	26.76	14.57	9.39	37.80	24.62	14.25	9.16
PSR 6	39.84	25.78	14.54	9.37	36.22	23.80	14.21	9.14
PSR 7	53.86	32.78	14.77	9.51	47.98	29.77	14.44	9.27
PSR 8	76.12	43.06	15.17	9.75	66.17	38.42	14.83	9.50
PSR 9	45.19	28.31	14.51	8.85	39.67	25.34	14.12	8.54

\* Adjusted NO<sub>2</sub> concentrations only  
Underlined concentrations represent an exceedance of the AQO