

The Sizewell C Project

6.14 Environmental Statement Addendum
Volume 3: Environmental Statement Addendum Appendices
Chapter 8 Freight Management Facility
Appendix 8.2.A Air Quality

Revision: 1.0

Applicable Regulation: Regulation 5(2)(a)

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Planning Act 2008 Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009





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NOT PROTECTIVELY MARKED

APPENDIX 8.2.A FREIGHT MANAGEMENT FACILITY AIR QUALITY BASELINE

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APPENDIX 8.2.A: MODELLED AIR QUALITY BASELINES

A.1. Current baseline

Table 8.2.A.1: NO₂, PM₁₀ and PM_{2.5} Concentrations for the Baseline Year 2018 at Nearby Sensitive Receptors

Receptor	2018 NO ₂ Concentration (μg/m³)	2018 PM ₁₀ Concentration (μg/m ³)	2018 PM _{2.5} Concentration (µg/m³)
BK4	15.7	18.9	11.3
BK5	18.8	19.3	11.5
BK6	12.5	15.6	9.8
BK7	11.8	18.6	10.8
BK8	13.0	18.6	11.0

^{*}All values have been rounded to the nearest decimal place.

A.2. Future Baseline

Table 8.2.A.2: NO₂, PM₁₀ and PM_{2.5} Concentrations for the Baseline Year 2023 at Nearby Sensitive Receptors

Receptor	2023 NO ₂ Concentration (μg/m³)	2023 PM ₁₀ Concentration (μg/m³)	2023 PM _{2.5} Concentration (µg/m³)
BK4	11.9	17.9	10.4
BK5	13.8	18.2	10.6
BK6	10.0	14.5	8.9
BK7	9.3	17.5	10.0
BK8	10.0	17.5	10.2

^{*}All values have been rounded to the nearest decimal place.

Table 8.2.A.3: NO₂, PM₁₀ and PM_{2.5} Concentrations for the Baseline Year 2028 at Nearby Sensitive Receptors

Receptor	2028 NO ₂ Concentration (μg/m³)	2028 PM ₁₀ Concentration (μg/m ³)	2028 PM _{2.5} Concentration (μg/m³)
BK4	9.7	17.5	10.1
BK5	10.8	17.9	10.3
BK6	8.3	14.2	8.6
BK7	8.0	17.2	9.7

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^{*} Receptor locations are presented in Figure 5.1 of Volume 8 in the ES (Doc Ref. 6.8) [APP-519].

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Receptor	2028 NO ₂	2028 PM ₁₀	2028 PM _{2.5}
	Concentration	Concentration	Concentration
	(µg/m³)	(μg/m ³)	(µg/m³)
BK8	8.3	17.2	9.9

^{*}All values have been rounded to the nearest decimal place.

^{*} Receptor locations are presented in Figure 5.1 of Volume 8 in the ES (Doc Ref. 6.8) [APP-519].