



# The Sizewell C Project

6.14 Environmental Statement Addendum  
Volume 3: Environmental Statement Addendum Appendices  
Chapter 7 Yoxford Roundabout and Other Highway Improvements  
Appendices 7.4.A-B Air Quality

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Planning Act 2008  
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## APPENDIX 7.4.A YOXFORD ROUNDABOUT - AIR QUALITY BASELINE

## APPENDIX 7.4.A: YOXFORD ROUNDABOUT AIR QUALITY BASELINE

### A.1. Current baseline

**Table 7.4.A.1: NO<sub>2</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> Concentrations for the Baseline Year 2018 at Nearby Sensitive Receptors**

Receptor	2018 NO <sub>2</sub> Concentration (µg/m <sup>3</sup> )	2018 PM <sub>10</sub> Concentration (µg/m <sup>3</sup> )	2018 PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )
YX2	13.2	15.6	9.6
YX3	17.2	16.1	10.0
YX6	10.1	15.3	9.3
YX18	10.1	15.2	9.4
YX19	8.7	15.1	9.2
YX20	12.3	16.2	9.7

\*All values have been rounded to the nearest decimal place.

\* Receptor locations are presented in **Figure 5.1** of **Volume 7** in the **ES** (Doc Ref. 6.8) [APP-489].

### A.2. Future Baseline

**Table 7.4.A.2: NO<sub>2</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> Concentrations for the Baseline Year 2023 at Nearby Sensitive Receptors**

Receptor	2023 NO <sub>2</sub> Concentration (µg/m <sup>3</sup> )	2023 PM <sub>10</sub> Concentration (µg/m <sup>3</sup> )	2023 PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )
YX2	9.8	14.5	8.8
YX3	12.2	15.0	9.1
YX6	8.0	14.3	8.5
YX18	7.9	14.1	8.5
YX19	7.0	14.1	8.4
YX20	9.2	15.2	8.9

\*All values have been rounded to the nearest decimal place.

\* Receptor locations are presented in **Figure 5.1** of **Volume 7** in the **ES** (Doc Ref. 6.8) [APP-489].

**Table 7.4.A.3: NO<sub>2</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> Concentrations for the Baseline Year 2028 at Nearby Sensitive Receptors**

Receptor	2028 NO <sub>2</sub> Concentration (µg/m <sup>3</sup> )	2028 PM <sub>10</sub> Concentration (µg/m <sup>3</sup> )	2028 PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )
YX2	7.7	14.2	8.5



Receptor	2028 NO <sub>2</sub> Concentration (µg/m <sup>3</sup> )	2028 PM <sub>10</sub> Concentration (µg/m <sup>3</sup> )	2028 PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )
YX3	9.1	14.7	8.8
YX6	6.5	14.0	8.2
YX18	6.5	13.8	8.2
YX19	5.9	13.8	8.1
YX20	7.2	14.8	8.6

\*All values have been rounded to the nearest decimal place.

\* Receptor locations are presented in **Figure 5.1** of **Volume 7** in the **ES** (Doc Ref. 6.8) [APP-489].

**Table 7.4.A.4: NO<sub>2</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> Concentrations for the Baseline Year 2034 at Nearby Sensitive Receptors**

Receptor	2034 NO <sub>2</sub> Concentration (µg/m <sup>3</sup> )	2034 PM <sub>10</sub> Concentration (µg/m <sup>3</sup> )	2034 PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )
YX2	7.2	14.2	8.5
YX3	8.5	14.8	8.8
YX6	6.4	14.0	8.2
YX18	6.2	13.8	8.3
YX19	6.0	13.8	8.1
YX20	7.0	14.9	8.6

\*All values have been rounded to the nearest decimal place.

\* Receptor locations are presented in **Figure 5.1** of **Volume 7** in the **ES** (Doc Ref. 6.8) [APP-489].

## APPENDIX 7.4.B RECEPTORS WITH A CHANGE IN MAGNITUDE OF CHANGE DESCRIPTORS

## APPENDIX 7.4.B: RECEPTORS WITH A CHANGE IN MAGNITUDE OF CHANGE DESCRIPTORS

**Table 7.4.B.1: Pollutant Concentrations with a Change in Magnitude of Change Descriptor for Construction Phase Year 2023 Compared to the ES Assessment**

			Change Descriptor (Descriptor presented in ES in brackets)	Effect Descriptor (Descriptor presented in ES in brackets)
	Concentration (µg/m³)	Magnitude of Change (µg/m³)		
NO <sub>2</sub>				
YX2	10.2	0.4	Imperceptible (Very Low)	Negligible (Negligible)
YX6	8.7	0.7	Very Low (Low)	Negligible (Negligible)
YX19	7.4	0.4	Imperceptible (Very Low)	Negligible (Negligible)
PM <sub>10</sub>				
YX20	15.2	0.1	Imperceptible (Very Low)	Negligible (Negligible)
PM <sub>2.5</sub>				
YX6	8.6	0.1	Imperceptible (Very Low)	Negligible (Negligible)
YX20	8.9	Less than 0.1	Imperceptible (Very Low)	Negligible (Negligible)

\*All values have been rounded to the nearest decimal place.

**Table 7.4.B.2: Pollutant Concentrations with a Change in Magnitude of Change Descriptor for Operation of the Proposed Development During the Operational Year 2028 Average Day Compared to the ES Assessment**

			Change Descriptor (Descriptor presented in ES in brackets)	Effect Descriptor (Descriptor presented in ES in brackets)
	Concentration (µg/m³)	Magnitude of Change (µg/m³)		
NO <sub>2</sub>				
YX20	7.5	0.2	Imperceptible (Very Low)	Negligible (Negligible)

\*All values have been rounded to the nearest decimal place.

**Table 7.4.B.3: Pollutant Concentrations with a Change in Magnitude of Change Descriptor for Operation of the Proposed Development During the Operational Year 2028 Busiest Day Compared to the ES Assessment**

Receptor	2028 busiest day		Magnitude of Change Descriptor (Descriptor presented in ES in brackets)	Effect Descriptor (Descriptor presented in ES in brackets)
	Concentration (µg/m³)	Magnitude of Change (µg/m³)		
NO <sub>2</sub>				
YX20	7.4	0.2	Imperceptible (Very Low)	Negligible (Negligible)

\*All values have been rounded to the nearest decimal place.