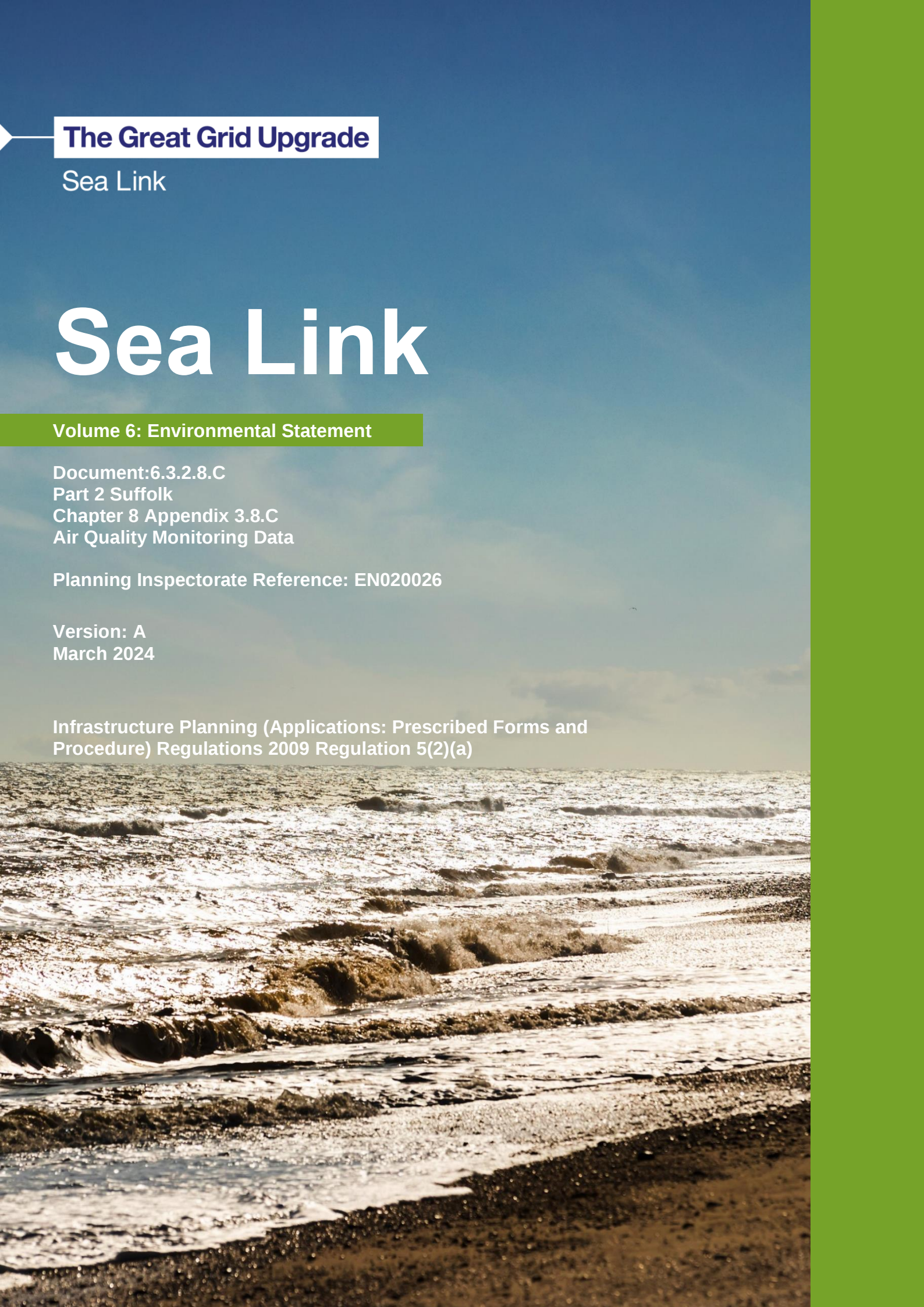




The Great Grid Upgrade

Sea Link

Sea Link

Volume 6: Environmental Statement

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Part 2 Suffolk
Chapter 8 Appendix 3.8.C
Air Quality Monitoring Data

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1. Air Quality Monitoring Data

1.1.1 East Suffolk Council (ESC) has undertaken air quality monitoring at a number of locations across the district. Monitoring data from the past five years is presented in Table 1.1 and Table 1.2 (East Suffolk Council, 2024). Table 1.3 presents the data collected for the Sizewell C Project (SZC Co., 2020).

Table 1.1 Local authority diffusion tube monitoring data

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
LOW 1	East Suffolk Council	Belvedere Road (Lamppost F2850)	654606	292625	Roadside	28.0	22.4	23.8	24.6	21.5
LOW 2	East Suffolk Council	Lamppost at 1 Fir Lane (Lamppost 1742)	653209	293785	Kerbside	29.5	24.2	23.4	25.4	23.6
LOW 3	East Suffolk Council	Lamppost at 8 Mill Road (Lamppost F185)	654477	292395	Kerbside	20.3	16.0	19.3	18.6	15.1
LOW 5	East Suffolk Council	St Margaret’s Church	654065	294200	Urban Background	13.7	10.7	11.0	11.1	9.3
LOW 6 ab,c	East Suffolk Council	9 Pier Terrace	654690	292625	Roadside	33.2	29.3	33.2	32.6	28

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
LOW 7	East Suffolk Council	Belvedere Road / London Road South	654671	292601	Roadside	30.3	24.8	27.8	29.2	25.3
LOW 8	East Suffolk Council	Levington Court, London Road South	654660	292571	Roadside	20.7	17.6	18.8	19.9	17.3
LOW 9	East Suffolk Council	Lamppost at 24/26 Denmark Road	654723	292914	Roadside	27.9	24.6	24.1	26.5	23.6
LOW 11	East Suffolk Council	Stradbroke Road/Bloodmoor Road	652552	290427	Roadside	25.7	20.9	22.8	21.9	21.0
LOW 12	East Suffolk Council	21 Rotterdam Road	654200	294039	Suburban	-	12.2	13.4	14.9	12.4
LOW 13	East Suffolk Council	Lamppost at 252/254 Denmark Road	654049	292963	Kerbside	-	16.7	17.9	19.9	14.0
LOW 14	East Suffolk Council	1 Fir Lane (house)	653228	293811	Roadside	-	15.9	15.4	16.2	14.4
LOW 16	East Suffolk Council	Lamppost opp. Church of Jesus Christ and Latter Day Saints, Yarmouth Road	654050	295124	Roadside	-	-	-	-	20.0
LOW 17	East Suffolk Council	St Margaret's Primary School, Church Road	654529	294055	Other	-	-	-	-	11.1

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
LOW 18	East Suffolk Council	Roman Hill Primary School, Avondale Road	654239	293329	Other	-	-	-	-	12.3
LOW 19	East Suffolk Council	Woods Loke Primary School, Butley Drive	652941	294371	Other	-	-	-	-	9.6
LOW 20	East Suffolk Council	Gunton Primary School, Gainsborough Drive	654033	295688	Other	-	-	-	-	9.1
LOW 21	East Suffolk Council	Downpipe on 165 Colville Road	652156	291773	Roadside	-	-	-	-	10.3
OBR 1	East Suffolk Council	Saltwater Way/164 Bridge Road (Lamppost F2263)	652046	292503	Roadside	27.5	21.0	23.0	23.6	21.6
OBR 2	East Suffolk Council	Drainpipe on 31 Bridge Road opp. Golden Court	652304	293021	Roadside	22.1	18.4	20.1	19.7	18.5
OBR 4	East Suffolk Council	12 Beccles Road (the low house)	651869	292127	Roadside	21.8	18.3	18.8	19.6	17.2
OBR 5	East Suffolk Council	181 Normanston Drive	652554	293282	Roadside	19.4	15.6	16.1	16.6	15.5

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
OBR 6	East Suffolk Council	Oulton Broad Primary School, Christmas Lane	651389	293664	Other	-	-	-	-	9.6
BEC 1	East Suffolk Council	10 Ingate (by crossing)	642615	289909	Roadside	23.3	18.0	19.1	19.1	17.1
BEC 3	East Suffolk Council	Fredricks Road cycle sign	642553	289922	Roadside	33.6	25.3	25.7	27.7	26.5
BEC 4	East Suffolk Council	1 Ingate	642564	289922	Roadside	20.8	16.9	18.7	19.2	16.5
BEC 5 a,b,c	East Suffolk Council	11 Ingate	642592	289916	Kerbside	29.3	22.7	26.1	25.5	23.2
BEC 7	East Suffolk Council	20A London Road, Beccles (A145)	644220	290213	Roadside	-	-	14.8	14.7	12.8
BEC 8	East Suffolk Council	Beccles CPS, Ellough Road	643278	289636	Other	-	-	-	-	9.8
HLW 2	East Suffolk Council	Downpipe on 3a Market Place	638599	277407	Roadside	-	-	-	-	8.3
BUN 1	East Suffolk Council	1 Trinity Street	633670	289817	Roadside	26.1	21.2	22.2	22.2	19.6

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
BUN 3	East Suffolk Council	51 Lower Olland Street	633815	289511	Roadside	-	-	-	-	19.1
BLY 1	East Suffolk Council	Menagwins, Chapel Road	645183	275218	Roadside	28.2	21.1	23.3	23.5	20.4
FLX 12	East Suffolk Council	119 Hamilton Road	630363	234890	Roadside	23.3	19.8	20.1	19.2	18.2
FLX 14	East Suffolk Council	1 Adastral Close	628604	232847	Industrial	24.1	21.9	22.0	20.5	20.5
FLX 17	East Suffolk Council	38 Spriteshall Lane, Trimley St Mary	628817	236323	Suburban	20.4	17.3	17.8	17.8	15.2
FLX 20	East Suffolk Council	73 Glemsford Close	628669	233979	Suburban	27.5	25.1	22.1	20.8	19.7
FLX 21	East Suffolk Council	4 Kings Fleet Road	629253	234431	Suburban	20.0	17.7	17.3	16.5	15.8
FLX 22	East Suffolk Council	13 Levington Road	629172	233446	Industrial	20.1	18.2	17.3	15.9	17.8
FLX 23	East Suffolk Council	23 Heathgate Piece, Trimley St Mary	628542	236592	Suburban	24.7	20.3	21.9	21.8	19.8
FLX 24	East Suffolk Council	22 Brandon Road	628358	234634	Suburban	22.6	21.0	20.7	19.5	18.1

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
FLX 26 a,b,c	East Suffolk Council	Dooley Inn, Ferry Lane front	627959	234246	Roadside	32.3	28.9	30.1	28.3	26.6
FLX 39	East Suffolk Council	424 High Road, Trimley St Mary	628760	236071	Roadside	22.6	18.7	18.8	19.4	16.8
FLX 44	East Suffolk Council	Langer Primary School, Langer Road	629397	233642	Other	-	-	-	-	13.7
TRM 3	East Suffolk Council	216 High Road, Trimley St Martin	627618	237092	Roadside	23.0	19.1	19.8	18.8	16.8
TRM 4	East Suffolk Council	Lampost 421, 205 High Road, Trimley St Martin	627613	237080	Roadside	25.1	21.4	20.9	20.6	17.2
TRM 5	East Suffolk Council	McColls, High Road, Trimley St Martin	627629	237078	Roadside	21.9	18.5	19.6	18.8	16.6
TRM 8	East Suffolk Council	Lampost 299 O/S 69 High Road, Trimley St Mary	628270	236266	Roadside	27.0	23.2	23.6	23.1	19.3
TRM 10	East Suffolk Council	293 High Street, Walton	629340	235737	Roadside	26.6	22.2	22.2	21.6	20.5
TRM 12	East Suffolk Council	193 Pink House, Walton	629641	235529	Roadside	23.7	20.5	20.9	20.4	18.8

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
TRM 13	East Suffolk Council	Trimley St Martin Primary School, Kirton Road	627555	238614	Other	-	-	-	-	14.1
KSG 9	East Suffolk Council	118 Main Road	621680	245796	Roadside	29.1	22.7	22.2	24	22.8
KSG 10 a,b,c	East Suffolk Council	The Bell Inn, Main Road (front window)	621815	245785	Roadside	32.3	24.9	26.5	26.2	23.4
MEL 5	East Suffolk Council	6 The Street	628145	250417	Roadside	24.2	20.4	19.9	20.2	19.7
MEL 7	East Suffolk Council	28 The Street	628177	250478	Kerbside	23.7	17.2	19.2	19.2	17.6
MRT 1 a,b,c	East Suffolk Council	Horseman Court	624633	245447	Suburban	22.3	18.5	19.5	19.5	17.4
MRT 9	East Suffolk Council	Martlesham Primary Academy, Black Tiles Lane	624338	246573	Other	-	-	-	-	10.9
LGM 2	East Suffolk Council	Carlton Lodge, Main Road	634051	258315	Roadside	17.1	14.7	14	14.2	13.5
FAR 1	East Suffolk Council	Turret House, The Street	636273	260134	Roadside	21.2	17	17.8	17.4	16.1

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
FAR 2 a,b,c	East Suffolk Council	Post Office Stores, The Street	636274	260120	Roadside	24.4	19.0	20.3	19.7	17.9
STA 1 a,b,c	East Suffolk Council	1 Long Row, Main Road	635753	260002	Roadside	32.3	23.8	26.0	25.9	22.6
STA 2	East Suffolk Council	Road sign opposite Long Row	635732	259995	Roadside	24.6	14.9	15.8	16.0	13.0
STA 6	East Suffolk Council	Jacobs Cottage, Main Road	635794	260042	Roadside	20.2	15.8	16.8	18.1	15.0
STA 7	East Suffolk Council	30 mph sign, Long Row	635736	259984	Roadside	28.0	20.4	22.6	21.2	18.7
STA 8 a,b,c	East Suffolk Council	5 Long Row, Main Road	635743	259992	Roadside	36.2	27.4	28.3	29.3	26.2
THEB 1	East Suffolk Council	BT telegraph pole, Leiston Road (opp. Lion Inn public house)	643797	265815	Kerbside	-	14.8	16.1	15.2	14.4
MID 1	East Suffolk Council	Downpipe on 2 The Moor	641611	267791	Roadside	-	8.7	8.4	7.8	7.4
YOX 1	East Suffolk Council	Brook Street (outside Kings Head public house)	639647	268740	Roadside	-	13.8	13.6	14.3	13.0

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
YOX 2	East Suffolk Council	Cavan Cottage, High Street	639693	268778	Roadside	-	-	-	9.6	9.3
SAX 1	East Suffolk Council	30 Church Street	638683	263014	Roadside	27.8	20.7	25.1	22.5	21.8
LEI 2	East Suffolk Council	Lamppost 4 Sizewell Road	644557	262464	Roadside	22.7	18.6	20.1	19.3	17.9
LEI 3	East Suffolk Council	White Horse Hotel, Station Road	644325	262634	Roadside	21.8	17.8	19.3	18.4	18.1
LEI 4	East Suffolk Council	SCC Lamp-post 738, Sylvester Road	644843	262483	Roadside	-	-	-	10.0	9.6
LEI 5	East Suffolk Council	Leiston Primary School, King George Avenue	645055	262522	Other	-	-	-	-	9.8
TUN 1	East Suffolk Council	Downpipe, The Old Bakery, Snape Road	636110	255114	Kerbside	-	13.1	13.5	12.8	11.1
MLS 1	East Suffolk Council	Outside Ernest Doe, Main Road A12	632734	257733	Roadside	-	-	19.6	19.1	18.6
WKM 1	East Suffolk Council	Lamppost at 32 High Street	630180	255718	Roadside	-	-	13.7	13.2	12.0

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
WKM 2	East Suffolk Council	Drainpipe on 70a High Street	630164	255904	Kerbside	-	-	18.6	17.5	16.7
WKM 3	East Suffolk Council	Wickham Market CPS, Dallinghoo Road	629860	255783	Other	-	-	-	-	7.3
WBG 1 a,b,c	East Suffolk Council	93 Thoroughfare	627596	249261	Roadside	33.7	25.2	24.3	22.9	20.9
WBG 3	East Suffolk Council	8 Kingston Farm Road	626997	248488	Suburban	13.1	10.3	9.6	8.9	8.3
WBG 5	East Suffolk Council	Suffolk Place corner	627604	249243	Roadside	20.9	16.0	15.9	14.8	13.4
WBG 8	East Suffolk Council	95 Thoroughfare	627601	249283	Roadside	32.5	24.5	23.8	22.2	20.4
WBG 10	East Suffolk Council	St John's Street signpost	627570	249240	Roadside	24.3	16.9	16.7	16.4	14.6
WBG 12	East Suffolk Council	8 Lime Kiln Quay Road	627664	249203	Roadside	21.5	16.3	14.8	14.4	13.2
WBG 13	East Suffolk Council	Traffic lights at 85 Thoroughfare	627585	249239	Roadside	27.1	20.5	20.6	19.3	16.9
WBG 18	East Suffolk Council	106/108 Thoroughfare	627627	249339	Roadside	29.9	22.5	21.0	20.9	19.3

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
WBG 20	East Suffolk Council	97 Thoroughfare	627604	249295	Roadside	30.3	23.5	22.2	20.9	19.8
WBG 24	East Suffolk Council	Downpipe, 29 Grove Road (Southbound)	626026	249631	Roadside	-	23.1	21.0	20.2	16.3
WBG 25	East Suffolk Council	Downpipe, 6 Grove Road (Northbound)	626038	249389	Roadside	-	18.7	18.2	15.9	14.4
Bold = Exceedance of Annual Mean NO ₂ AQS Objective (µg/m ³) - = No monitoring undertaken										

Table 1.2 Local authority NO₂ automatic monitoring data

Site ID	Local Authority	Name	X OS Grid Reference (m)	Y OS Grid Reference (m)	Type	Annual Mean NO ₂ (µg/m ³)				
						2019	2020	2021	2022	2023
WBG	East Suffolk Council	Woodbridge Junction	627596	249261	Roadside	31.0	25.0	25.0	23.0	21.0

Table 1.3 Sizewell C Project Specific NO₂ Diffusion Tube Monitoring

Site ID	X OS Grid Reference (m)	Y OS Grid Reference (m)	2019 Annual Mean NO ₂ (µg/m ³)
DT1	649314	282201	13.0
DT2	641655	277376	11.0
DT3	643505	283239	11.1
DT4	643669	273884	11.6
DT5	644707	269685	9.3
DT6	640405	269604	13.8
DT7	641462	267821	10.8
DT8	638602	267046	22.1
DT9	640875	270145	15.9
DT10	640636	269880	16.5
DT11	638319	266015	16.6
DT12	643222	266548	8.9
DT13	644351	265089	11.0
DT14	644498	263759	11.8
DT15	640592	264076	8.4

Site ID	X OS Grid Reference (m)	Y OS Grid Reference (m)	2019 Annual Mean NO ₂ (µg/m ³)
DT16	631300	256943	15.0
DT17	631168	256771	15.3
DT18	623208	240954	14.9
DT19	623520	242349	15.8
DT20	622164	241502	21.0
DT21	613212	253933	16.1
DT22	612066	259428	19.4
DT23	626060	249198	16.1
DT24	625347	247744	16.7

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