



Dudgeon and Sheringham Shoal Offshore Wind Farm Extensions

Preliminary Environmental Information Report

Volume 3

Appendix 24.3 - Background Pollutant Concentrations

April 2021

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Dudgeon and Sheringham Shoal Offshore Wind Farm Extensions Preliminary Environmental Information Report Appendix 24.3 Air Quality Background Pollutant Concentrations	
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Glossary of Acronyms

NO ₂	Nitrogen Dioxide
PM ₁₀	Particulate Matter with an aerodynamic diameter of less than 10µm
PM _{2.5}	Particulate Matter with an aerodynamic diameter of less than 2.5µm

24.3 AIR QUALITY BACKGROUND POLLUTANT CONCENTRATIONS

24.3.1 Introduction

Table 24.3.1: 2018 and 2025 Background Pollutant Concentrations.

Local Authority	Receptor ID	2018			2025		
		NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
King's Lynn and West Norfolk Borough Council	R1	13.3	15.8	10.3	10.6	14.3	9.1
	R2	10.8	15.2	9.8	8.3	13.8	8.6
	R3	10.0	15.6	9.8	7.7	14.2	8.6
	R4	7.8	16.1	9.5	6.1	14.7	8.3
	R5	8.2	16.0	9.4	6.3	14.6	8.3
	R6	7.8	16.7	9.5	6.0	15.3	8.4
	R7	7.3	16.4	9.4	5.7	15.0	8.3
	R8	7.5	15.8	9.3	5.8	14.4	8.1
	R9	11.1	17.0	10.5	8.5	15.5	9.3
	R10	8.7	15.7	9.6	6.6	14.3	8.5
	R11	8.4	17.1	10.0	6.4	15.7	8.8
	R12	8.0	16.0	9.6	6.1	14.6	8.4
North Norfolk District Council	R13	7.7	16.1	9.3	5.9	14.8	8.2
	R14	7.7	16.5	9.4	5.9	15.1	8.2
	R15	8.6	15.2	9.3	6.6	13.8	8.2
	R16	9.3	16.5	9.5	7.3	15.0	8.4
	R17	7.9	16.6	9.4	6.1	15.2	8.3
	R18	7.7	15.2	9.0	5.9	13.8	7.9
	R19	8.6	16.1	9.4	6.7	14.7	8.3
	R20	7.5	15.9	9.3	5.9	14.5	8.1
	R21	7.3	15.8	9.2	5.7	14.4	8.1
Breckland Council	R22	7.7	16.9	9.7	5.8	15.4	8.6
	R23	7.7	16.0	9.5	5.9	14.6	8.3
	R24	9.1	16.7	9.7	6.9	15.3	8.5
Broadland District Council	R25	7.7	15.7	9.2	6.0	14.3	8.1
	R26	7.8	15.9	9.3	6.1	14.5	8.1
	R27	7.5	15.1	9.0	5.9	13.7	7.9
	R28	8.5	15.9	9.4	6.6	14.5	8.2

Local Authority	Receptor ID	2018			2025		
		NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
	R29	8.6	14.8	9.1	6.8	13.4	7.9
	R30	9.0	14.3	9.1	7.0	12.9	7.9
	R31	10.3	16.1	9.7	8.0	14.7	8.5
	R32	10.4	16.2	9.8	8.2	14.8	8.6
	R33	10.7	14.8	9.4	8.6	13.3	8.3
	R34	11.0	15.9	9.6	8.5	14.5	8.4
	R35	10.6	16.8	9.7	8.0	15.4	8.6
	R36	8.0	15.2	9.2	6.3	13.8	8.1
	R37	8.0	15.4	9.3	6.3	14.0	8.1
	R38	9.0	15.9	9.6	6.8	14.5	8.4
South Norfolk District Council	R39	8.8	15.3	9.4	6.8	13.9	8.2
	R40	12.1	16.3	9.9	9.0	14.8	8.8
	R41	12.0	16.4	9.9	8.9	14.9	8.8
	R42	13.2	16.2	10.0	9.6	14.8	8.8
	R43	13.3	16.9	10.1	9.7	15.5	8.9
	R44	9.9	15.2	9.4	7.5	13.7	8.2
	R45	13.4	17.6	10.3	9.7	16.1	9.1
	R46	14.9	16.3	9.9	11.8	15.0	8.8
	R47	8.7	16.9	9.6	6.8	15.5	8.5
	R48	8.9	16.3	9.5	6.9	14.9	8.4
Great Yarmouth Borough Council	R49	11.4	13.5	8.9	8.9	12.1	7.8
	R50	16.5	15.0	10.4	13.0	13.5	9.2
	R51	17.2	14.7	10.0	13.6	13.2	8.9
	R52	12.7	14.4	9.5	10.0	13.0	8.3
Waveney District Council	R53	9.6	15.2	9.2	7.4	13.8	8.1
	R54	10.0	14.2	9.1	7.8	12.8	8.0
	R55	11.2	14.3	9.5	8.7	12.8	8.3
	R56	13.0	14.8	10.3	10.2	13.3	9.1
	R57	19.0	14.0	9.6	15.6	12.5	8.4
	R58	25.0	14.8	10.2	20.0	13.3	9.0
	R59	11.8	15.0	10.0	9.1	13.6	8.8

Local Authority	Receptor ID	2018			2025		
		NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
	R60	10.7	15.0	9.9	8.3	13.6	8.8
	R61	9.4	15.9	9.6	7.3	14.5	8.5