

Air Quality Monitoring Results for 2017

Extracts from 2018 Air Quality Annual Status Report (ASR) Winchester City Council, April 2018
Annual Mean NO₂ Monitoring Results

Site ID	Site Name	Site Type	Valid Data Capture 2017 (%) ⁽²⁾	NO ₂ Annual Mean Concentration (µg/m ³) ⁽³⁾				
				2013	2014	2015	2016	2017
Echo Office	Echo Office	Roadside	0	47.0	41.0	38.0	38.0	-
Godson House	Godson House	Urban Background	0	25	24	20	-	-
St George's Street	St George's Street	Roadside		-	-	-	-	38.5
Chesil Street	Chesil Street	Automatic		-	-	-	-	29.7
Site 1 (City Study)	10 Eastgate St	Diffusion Tube	50	41.5	44.6	37.6	36.8	30.9
Site 2 (City Study)	Greyfriars	Diffusion Tube	92	37.1	34.1	31.5	30.0	27.5
Site 3 (City Study)	Friarsgate	Diffusion Tube	100	33	28.4	25.9	26.9	23.9
Site 4 (City Study)	Upper Brook St (Echo)	Diffusion Tube	92	45.1	39	37.6	37.1	33.0
Site 5 (City Study)	Roadside Monitor	Diffusion Tube	100	47.6	40.3	38.2	37.2	32.1
Site 6 (City Study)	Roadside Monitor	Diffusion Tube	100	47.6	40.3	38.2	38.6	31.7
Site 7 (City Study)	Roadside Monitor	Diffusion Tube	92	47.6	40.3	38.2	37.7	31.9

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				2013	2014	2015	2016	2017
Site 8 (City Study)	St Georges St Bed	Diffusion Tube	100	63	54.7	50.2	49.8	46.8
Site 9 (City Study)	St Georges St Lad	Diffusion Tube	100	62.1	57.1	52.6	48.9	46.5
Site 10 (City Study)	Jewry St	Diffusion Tube	75	52.5	47.1	40.6	41.7	38.7
Site 11 (City Study)	Southgate St DV	Diffusion	92	44.8	38	37.7	37	31.6
Site 12 (City Study)	Sussex St	Diffusion Tube	83	40.6	36.1	33.9	37.3	28.0
Site 13 (City Study)	City Location Road	Diffusion Tube	100	41.8	38.1	36.7	33.8	31.6
Site 14 (City Study)	74 Northwalls	Diffusion Tube	100	34.6	31.1	30	29.7	28.2
Site 15 (City Study)	Wales St	Diffusion Tube	75	37.5	31.2	30.5	31.5	29.8
Site 16 (City Study)	Alresford Rd (M3)	Diffusion Tube	83	43.1	41.3	37	38.4	33.0
Site 17 (City Study)	Chesil St	Diffusion Tube	75	44.1	42.8	36.4	39.9	37.6
Site 18 (City Study)	Stockbridge Rd	Diffusion Tube	100	28.2	25	21.2	24.8	23.7
Site 19 (City Study)	Burma Road	Diffusion Tube	100	N/A	N/A	N/A	19.3	19.4
Site 20 (City Study)	Worthy Rd 1	Diffusion Tube	92	33.2	29.3	24.2	22.8	21.5
Site 21 (City Study)	Worthy Rd 2	Diffusion Tube	92	33.2	29.3	24.2	23.8	22.2

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				2013	2014	2015	2016	2017
Site 22 (City Study)	Worthy Rd 3	Diffusion Tube	83	33.2	29.3	24.2	22.9	20.4
Site 23 (City Study)	St Cross Rd	Diffusion Tube	58	37	33.4	35.3	33.4	32.5
Site 24 (City Study)	Romsey Road	Diffusion Tube	92	65.9	57.2	48.8	56.6	50.8
Site 25 (City Study)	Andover Rd	Diffusion Tube	100	40.5	36.4	33.5	32.9	32.4
Site 26 (City Study)	Bus Station	Diffusion Tube	67	41.8	35.9	33.7	30.4	28.0
Site 1 (District Study)	High St, Twyford	Diffusion Tube	83	33.8	29.4	27.7	28.4	24.0
Site 2 (District Study)	Southdown Road, Otterbourne	Diffusion Tube	83	35.2	28.8	28.5	29.4	27.1
Site 3 OLD (District Study)	Church Green Close, Kings Worthy	Diffusion Tube	25	28	24.3	25.5	25.5	20.9
Site 3 NEW (District Study)	Martyr Worthy Rd, Kings Worthy	Diffusion Tube	67	N/A	N/A	N/A	N/A	56.0
Site 4 (District Study)	West St/Broad St, New Alresford	Diffusion Tube	92	37.3	30.1	30.1	33.8	28.9
Site 5 (District Study)	Hambledon Rd, Denmead	Diffusion Tube	92	21.7	20.6	18.4	19.9	17.9

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Site 6 (District Study)	Winchester Rd, Wickham	Diffusion Tube	92	33.2	29.3	28.8	30.6	27.5
Site 7 (District Study)	Winchester Rd, Bishops Waltham	Diffusion Tube	92	34.4	29.6	29.6	32.5	29.8
Site 8 (District Study)	Whiteley Lane, Whiteley	Diffusion Tube	83	29.9	23.7	21.8	22.6	22.8

Diffusion tube data has been bias corrected

Annualisation has been conducted where data capture is <75% (note data capture was above this value for all sites)

Exceedances of the NO₂ annual mean objective of 40µg/m³ are shown in **red cells**.

NO₂ annual means exceeding 60µg/m³, indicating a potential exceedance of the NO₂ 1-hour mean objective are **underlined**.

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

(3) Means for diffusion tubes have been corrected for bias. All means have been “annualised” as per Boxes 7.9 and 7.10 in LAQM.TG16 if valid data capture for the full calendar year is less than 75%.