

## Air Quality around Arnolds Field in February 2023

Data for February 2023 from the two new nodes, as well as pre-existing ones further away from Arnolds Field are shown below.

NB. The London Fire Brigade (LFB) report no call outs for fires at Arnolds Field during February 2023 as shown below in the LFB screenshot of the incident database.

**Nearby Incident Lookup**

Use the site [UK Grid Reference](#) to find the easting and northings of a location. Enter the easting value, click the search icon next to it and then do the same with the northing. (If there are no results, check that the coordinate fields are populated and do not contain spaces)

Date Of Call: 01/02/2023 to 28/02/2023

Distance from the coordinates (m): 500

Easting (enter and click search): 554209

Northing (enter and click search): 181715

Incident Type: Fire

Address (use to filter results, can leave blank): Search

Call ID	Date Of Call	Address	Parent Property Type	Property Type	Incident Type	Description	Motive
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The data shows levels of particulates (PM<sub>2.5</sub>) and NO<sub>2</sub> in residential areas adjacent to Arnolds Field

In summary, levels of these two pollutants:

- displayed the same trends over time as seen in areas further away
- were similar to if not lower than that in areas further away
- PM<sub>2.5</sub> levels were consistently 'low' when compared to the short-term thresholds (daily mean) set in the UK Government's 'Daily Air Quality Index' (DAQI). Only at King Edwards Avenue for two days (Feb 14<sup>th</sup>/15<sup>th</sup>) did levels become moderate but this trend was seen in sites further away from Arnolds Field.
- NO<sub>2</sub> levels were consistently 'low' when compared to the short term thresholds (hourly mean) set in the UK Government's 'Daily Air Quality Index' (DAQI).
- NB. Data for King Edwards Avenue monitoring site was unavailable from the 19<sup>th</sup>-28<sup>th</sup> February 2023. The Council's public protection team are in the process of getting the equipment back on line.

You can see further information about UK legal limits for [air pollution and guidance from the World Health Organisation \(WHO\)](#).

You can find data from all the nodes around Arnolds Field are shared in more or less real time on the [Breathe London website](#).

February 2023 - PM2.5 Particles Level (Index) by Node Site

Approx. distance from Arnolds Field	Site Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
0.5 km N	Acer Avenue	1	1	1	1	1	2	2	3	2	2	1	2	3	3	3	1	1	1	1	1	1	2	1	1	1	1	1	1
1 km N	King Edwards Ave	1	1	1	1	1	2	3	3	2	2	1	2	3	4	4	1	1	1										
1.2 km NW	Rainham ref.	1	1	1	1	1	2	2	3	2	2	1	2	3	3	3	1	1	1	1	1	1	2	2	1	1	1	1	1
3 km N	Scotts Primary	1	1	1	1	1	2	3	3	2	2	2	2	3	4	4	1	1	1	1	1	1	2	2	1	1	1	1	1
3 km SW	Slade Green	1	1	1	1	2	2	3	3	2	2	2	2	3	3	3	1	1	1	1	1	1	2	2	1	1	1	1	1
3.6 km W	Fontain Avenue	1	1	1	1	1	2	2	2	2	2	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
6.5 km W	Goresbrook School	1	1	1	1	1	2	3	3	2	2	2	2	3	5	4	1	1	1	1	1	1	2	2	1	2	1	1	1
7 km N	Cotleigh Road	1	1	1	1	1	2	3	3	2	2	2	2	3	4	3	1	1	1	1	1	1	2	2	1	1	1	1	1
10 km N	Bedfords Park	1	1	1	1	1	2	2	3	2	2	2	2	3	6	5	1	1	1	1	1	1	2	2	1	1	1	1	1

**Based on the daily mean concentration for historical data, latest 24 hour running mean of current day**

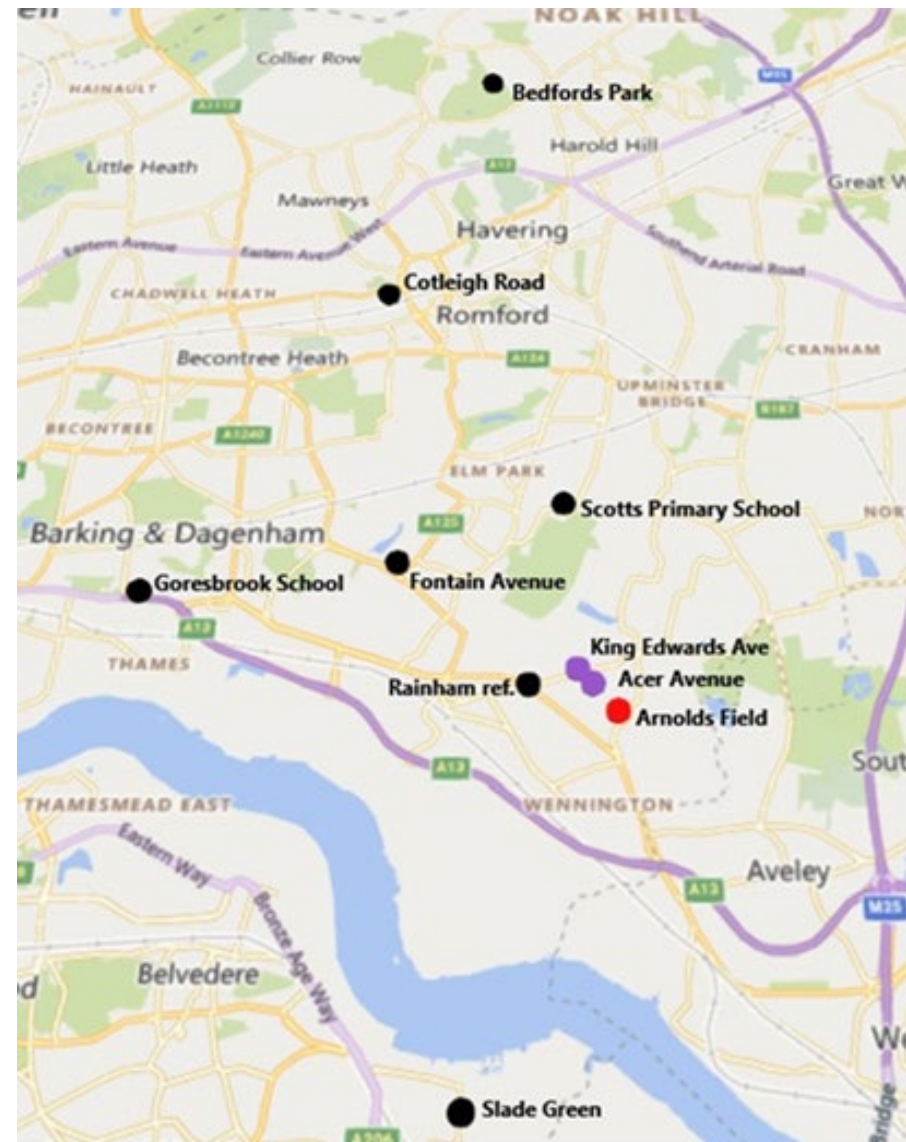
February 2023 – NO2 Level (Index) by Node Site

Approx. distance from Arnolds Field	Site Name	[Visual representation of hourly mean concentration data]																											
0.5 km N	Acer Avenue	[Visual representation of hourly mean concentration data]																											
1 km N	King Edwards	[Visual representation of hourly mean concentration data]																											
1.2 km NW	Rainham (refer	[Visual representation of hourly mean concentration data]																											
3 km N	Scotts Primary	[Visual representation of hourly mean concentration data]																											
3 km SW	Slade Green	[Visual representation of hourly mean concentration data]																											
3.6 km	Fontain Avenue	[Visual representation of hourly mean concentration data]																											
6.5 km W	Goresbrook School	[Visual representation of hourly mean concentration data]																											
7 km N	Cotleigh Road	[Visual representation of hourly mean concentration data]																											
10 km N	Bedfords Park	[Visual representation of hourly mean concentration data]																											

**Based on the hourly mean concentration**

The reference stations and Breathe London Nodes on the homepage map are coloured according to the government's 'Daily Air Quality Index' (DAQI).

Band	Index	PM2.5 (24 hour mean mg/m3)	NO2 (1 hour mean mg/m3)
Low	1	0-11	0-66
	2	12-23	67-133
	3	24-35	134-200
Moderate	4	36-41	201-267
	5	42-46	268-334
	6	47-53	335-400
High	7	54-58	401-467
	8	59-64	468-534
	9	65-70	535-600
Very High	10	71 >	601 >



- Arnolds Field
- Additional nodes
- Pre-existing nodes