

## Air Quality around Arnolds Field in March 2023

Data for March 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 March 2023 as shown below in the LFB screenshot of the incident database.

The screenshot displays the 'Nearby Incident Lookup' interface. On the left, there is a search form with the following fields:

- Date Of Call:** A date range selector showing 01/03/2023 to 30/03/2023.
- Distance from the coordinates (m):** A slider set to 500.
- Easting (enter and click search):** A text input field containing 554209.
- Northing (enter and click search):** A text input field containing 181715.
- Incident Type:** A dropdown menu with 'Fire' selected.
- Address (use to filter results, can leave blank):** A text input field containing 'Search'.

On the right, there is a map showing a yellow road labeled 'New Road' and a road labeled 'Lantern Lane'. The map includes a Microsoft Bing logo and copyright information for 2023 TomTom, Microsoft Corporation, and OpenStreetMap.

Below the search form and map is a table with the following columns: Call ID, Date Of Call, Address, Parent Property Type, Property Type, Incident Type, Description, and Motive. The table is currently empty.

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).
- 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 1<sup>st</sup>-5<sup>th</sup> March 2023.

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](#).

**March 2023 - PM2.5 Particles Level (Index) by Node Site (Daily)**

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	29	30	31
0.5 km N	Acer Avenue	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 km N	King Edwards Ave						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.2 km NW	Rainham ref.	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 km N	Scotts Primary	1	2	1	1	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 km SW	Slade Green	1	2	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3.6 km W	Fontain Avenue	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6.5 km W	Goresbrook School	1	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 km N	Cotleigh Road	1	1	1	1	2	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 km N	Bedfords Park	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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

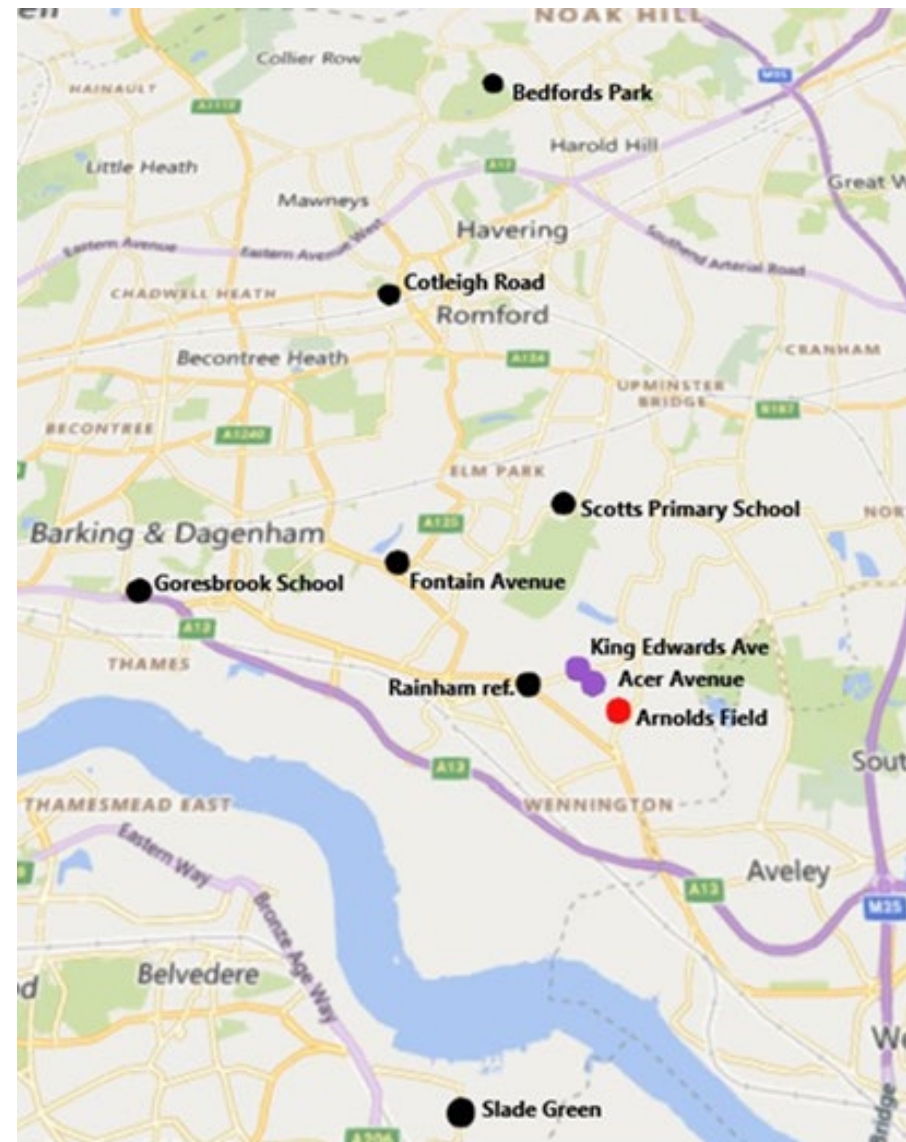
**March 2023 - Nitrogen Dioxide Level (Index) by Node Site (Hourly)**

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

*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) shown below.

Band	Index	PM2.5 (24 hour mean mg/m3)	Nitrogen dioxide (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 (Launders Lane)
- Additional Breathe London nodes
- Pre-existing air quality monitors