

Air Quality around Arnolds Field in July 2023

Air quality data for July 2023 from four new nodes (Acer Avenue, King Edwards Avenue, Spring Farm Park and Ingrebourne Golf Course), as well as pre-existing ones further away from Arnolds Field are shown below.

The London Fire Brigade (LFB) were called 3 times to Arnold's Field in July:

- 19th July 15:53
- 21st July 15:36
- 30th July 11:33

N.B. These were all 1 pump incidents and attended/resolved by crews from Wennington Fire Station.

The data shows levels of particulates (PM_{2.5}) and Nitrogen Dioxide (NO₂) 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_{2.5} levels were consistently 'low' when compared to the short-term thresholds (daily mean) set in the UK Government's 'Daily Air Quality Index' (DAQI).
- NO₂ levels were consistently 'low' when compared to the short term thresholds (hourly mean) set in the UK Government's 'Daily Air Quality Index' (DAQI).
- Data for the two new nodes at Spring farm park and Ingrebourne golf course only show data from the 27th – 31st July as this was when monitoring equipment became operational.

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](#).

July 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 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	1	1	1		
1.2 km NW	Rainham (reference)	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		
1.2 km	Spring Farm Park																																
1.8 km	Ingrebourne Golf																												1	1	1	1	1
3 km N	Scotts Primary	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	1	1	1	1	1	
3 km SW	Slade Green	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	
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	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	
7 km N	Cotleigh Road	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	
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

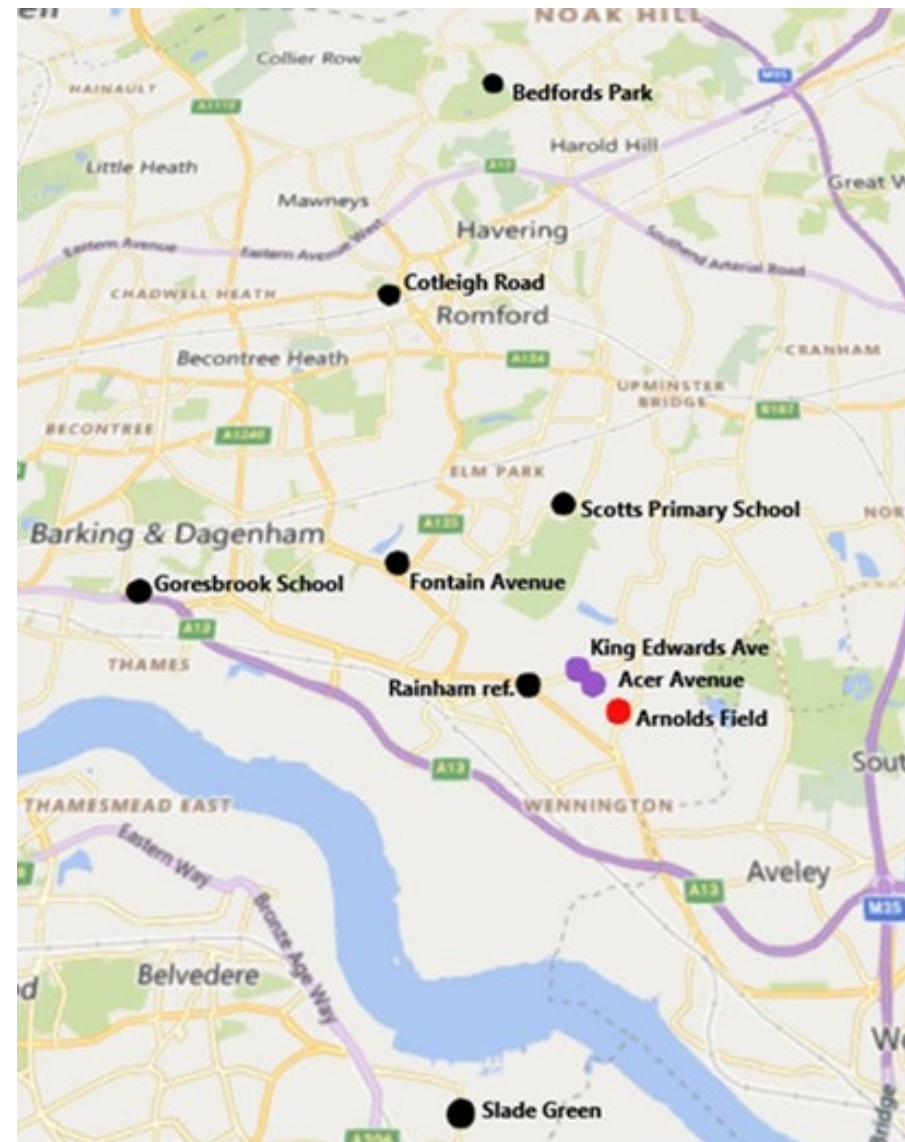
July 2023 - Nitrogen Dioxide Level (Index) by Node Site (Hourly)

Approx. distance from Arnolds Field	Site Name		
0.5 km N	Acer Avenue		
1 km N	King Edwards		
1.2 km NW	Rainham (reference)		
1.2 km	Spring Farm Park		
1.8 km	Ingrebourne Golf		
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