

Air Quality Health Index of Tuen Mun Air Quality Monitoring Station

The Environmental Protection Department (EPD) launched on 30 December 2013 the Air Quality Health Index (AQHI) to replace the Air Pollution Index (API). The AQHI informs the public of the short-term health risk of air pollution and helps them to take precautionary measures for health protection.

When the health risk category reaches High (AQHI reaches “7”), people who are sensitive to air pollution (including children, the elderly and people with heart or respiratory illnesses) are advised to take precautionary actions. We therefore provide information on the days with the health risk category reaching “High” or above at Tuen Mun station.

In September and October 2024, Tuen Mun station recorded 18 days with AQHI reaching “7” or above. The details are shown as follows:

Dates (AQHI reached “7” or above)	Duration (Hour)	Dates (AQHI reached “7” or above)	Duration (Hour)
3 September	10	7 October	6
4 September	6	8 October	7
15 September	7	10 October	5
27 September	2	12 October	6
28 September	5	19 October	5
30 September	7	21 October	3
4 October	4	25 October	2
5 October	3	30 October	1
6 October	7	31 October	3

(Note: Short-term air quality can fluctuate significantly depending on various factors, including meteorological conditions. Fluctuation of weather condition could make air quality of individual months differ from that of previous years, even if there is no significant change in air pollutant emissions. It is therefore inappropriate to conclude the change of air quality based on short-term air quality data (for example, by comparing the air monitoring data of individual month or months with those in the same period of last year). Comparison of short-term data shall only be used for reference.)

During the same period of last year (2023), Tuen Mun station recorded 8 days with AQHI reaching “7” or above. The details are shown as follows:

Dates (AQHI reached “7” or above)	Duration (Hour)	Dates (AQHI reached “7” or above)	Duration (Hour)
4 September	6	6 October	3
21 September	2	13 October	3
3 October	3	14 October	5
4 October	9	31 October	2

Daily maxima and minima of AQHI in September and October of 2023 and 2024 recorded at Tuen Mun air quality monitoring station are shown in **Annex**.

**Daily maxima and minima of AQHI in September and October
of 2023 and 2024
at Tuen Mun Air Quality Monitoring Station**

Date	September 2023		October 2023		September 2024		October 2024	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest
1	3	2	6	3	4	1	4	2
2	3	2	5	4	6	2	5	3
3	3	2	7	4	10	3	6	4
4	9	2	8	3	10	3	7	4
5	6	2	5	3	4	2	7	3
6	6	3	7	3	3	2	8	3
7	4	2	3	2	2	2	8	3
8	3	2	2	2	3	1	8	4
9	3	2	2	2	3	2	5	3
10	3	2	4	2	4	2	8	3
11	2	2	5	2	5	2	6	3
12	3	2	5	2	6	2	7	5
13	3	2	7	2	5	3	6	4
14	3	2	7	3	4	3	4	3
15	2	2	6	3	9	3	5	3
16	3	2	6	4	4	2	5	3
17	3	2	6	5	4	2	4	3
18	3	2	6	4	4	2	4	3
19	3	2	4	3	5	3	10	3
20	4	2	4	3	5	2	5	3
21	7	2	3	3	3	2	7	3
22	5	3	6	2	3	2	6	3
23	4	3	6	2	3	2	5	3
24	3	2	6	3	3	2	6	4
25	4	2	5	3	5	2	7	4
26	4	2	5	3	6	2	5	3
27	4	3	4	3	7	2	5	3
28	4	3	4	3	9	3	4	2
29	4	2	5	4	6	3	5	2
30	5	3	6	3	10	3	7	3
31			7	4			7	3

Note: The AQHI is reported on a scale of 1 to 10 and 10+, and is grouped into five health risk categories, i.e. low (AQHI=1 to 3), moderate (AQHI=4 to 6), high (AQHI=7), very high (AQHI=8 to 10), and serious (AQHI=10+). The above table presents the daily maxima and minima of the AQHI.