

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), which had been used from 1998. The AQHI informs the public of the short-term health risk of air pollution and helps them 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. Therefore, we provide below information on the days with the health risk category reaching “High” or above at Tuen Mun station.

From 2014 to 2022, the number of hours with AQHI at “7” or above (i.e., “high” health risk category or above) recorded at Tuen Mun Air Quality Monitoring Station continued to decrease: 299 hours (or 3.4%) were recorded in 2022, which is lower than 519 hours (or 5.9%) in 2014, reflecting the continuous improvement of air quality in Tuen Mun in recent years.

In July and August 2023, Tuen Mun station recorded 4 days with AQHI reaching “7” or above. Details are shown as follows:

Dates (AQHI reached “7” or above)	Duration (Hour)
15 July	4
26 July	9
27 July	3
11 August	2

Note: Short-term air quality can fluctuate significantly depending on various factors, including meteorological conditions. Fluctuation of weather conditions could cause air quality of individual months to 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). The short-term data in the same period last year shall only be taken for reference.

During the same period of last year (2022), Tuen Mun station recorded 6 days with AQHI reaching “7” or above. Details are shown as follows:

Dates (AQHI reached “7” or above)	Duration (Hour)
25 July	2
28 July	3
31 July	6
23 August	11
28 August	6
31 August	1

Daily maxima and minima of AQHI in July and August of 2022 and 2023 recorded at Tuen Mun air quality monitoring station are shown in the Annex:

Annex:

Daily maxima and minima of AQHI in July and August of 2022 and 2023 at Tuen Mun Air Quality Monitoring Station

Date	July 2022		August 2022		July 2023		August 2023	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest
1	2	2	4	2	2	2	3	2
2	3	2	4	1	2	2	4	2
3	3	2	5	3	2	2	4	2
4	3	2	3	2	2	2	4	2
5	2	2	3	2	2	2	3	2
6	3	2	2	1	2	1	3	3
7	2	2	2	1	2	1	4	3
8	3	2	2	1	2	1	4	3
9	2	1	2	1	2	1	4	2
10	2	1	2	2	3	1	3	3
11	2	2	2	2	2	2	7	2
12	3	1	2	2	3	2	4	2
13	3	1	3	2	3	2	3	2
14	3	2	3	2	5	2	4	2
15	3	1	4	2	9	2	3	2
16	3	2	3	2	4	2	4	2
17	2	2	2	2	3	2	4	2
18	3	2	3	2	3	2	4	3
19	3	2	3	2	2	2	4	2
20	2	1	2	2	2	2	3	2
21	2	2	3	2	3	2	3	2
22	5	2	5	2	3	1	3	2
23	6	2	10	2	3	1	3	2
24	6	2	6	2	3	1	3	2
25	7	3	3	2	4	2	3	2
26	3	2	2	2	10+	2	3	2
27	4	2	6	2	7	3	3	2
28	7	2	8	2	6	3	3	2
29	6	3	4	3	5	3	4	2
30	4	3	4	2	3	2	5	2
31	8	3	7	3	3	2	5	2

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.

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), which had been used from 1998. The AQHI informs the public of the short-term health risk of air pollution and helps them 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. Therefore, we provide below information on the days with the health risk category reaching “High” or above at Tuen Mun station.

From 2014 to 2022, the number of hours with AQHI at “7” or above (i.e., “high” health risk category or above) recorded at Tuen Mun Air Quality Monitoring Station continued to decrease: 299 hours (or 3.4%) were recorded in 2022, which is lower than 519 hours (or 5.9%) in 2014, reflecting the continuous improvement of air quality in Tuen Mun in recent years.

In September and October 2023, Tuen Mun station recorded 8 days with AQHI reaching “7” or above. 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

Note: Short-term air quality can fluctuate significantly depending on various factors, including meteorological conditions. Fluctuation of weather conditions could cause air quality of individual months to 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). The short-term data in the same period last year shall only be taken for reference.

During the same period of last year (2022), Tuen Mun station recorded 30 days with AQHI reaching “7” or above. Details are shown as follows:

Dates (AQHI reached “7” or above)	Duration (Hour)	Dates (AQHI reached “7” or above)	Duration (Hour)
1 September	4	23 September	6
3 September	5	25 September	8
5 September	9	26 September	5
6 September	7	9 October	2
9 September	9	11 October	6
10 September	6	13 October	7
11 September	7	14 October	8
12 September	12	15 October	7
13 September	14	16 October	4

14 September	13	21 October	2
15 September	13	22 October	7
16 September	19	23 October	2
17 September	10	24 October	3
18 September	3	28 October	6
19 September	5	29 October	2

Daily maxima and minima of AQHI in September and October of 2022 and 2023 recorded at Tuen Mun air quality monitoring station are shown in the Annex:

Annex:

Daily maxima and minima of AQHI in September and October of 2022 and 2023 at Tuen Mun Air Quality Monitoring Station

Date	September 2022		October 2022		September 2023		October 2023	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest
1	8	3	3	1	3	2	6	3
2	5	3	3	2	3	2	5	4
3	9	3	3	2	3	2	7	4
4	6	3	5	2	9	2	8	3
5	10+	4	4	3	6	2	5	3
6	8	4	4	3	6	3	7	3
7	6	3	5	3	4	2	3	2
8	5	3	4	3	3	2	2	2
9	9	4	7	3	3	2	2	2
10	8	5	6	3	3	2	4	2
11	9	4	8	4	2	2	5	2
12	10	4	6	4	3	2	5	2
13	10+	4	8	4	3	2	7	2
14	10	5	9	4	3	2	7	3
15	10	4	8	4	2	2	6	3
16	10+	6	7	5	3	2	6	4
17	8	5	6	4	3	2	6	5
18	7	3	6	4	3	2	6	4
19	10	4	6	3	3	2	4	3
20	5	4	5	4	4	2	4	3
21	6	5	7	4	7	2	3	3
22	6	4	8	3	5	3	6	2
23	9	4	7	2	4	3	6	2
24	6	4	7	4	3	2	6	3
25	8	5	5	4	4	2	5	3
26	8	4	5	4	4	2	5	3
27	4	3	5	4	4	3	4	3
28	3	3	8	3	4	3	4	3
29	3	2	7	4	4	2	5	4
30	3	2	6	3	5	3	6	3
31			6	4			7	4

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.

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), which had been used from 1998. The AQHI informs the public of the short-term health risk of air pollution and helps them 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. Therefore, we provide below information on the days with the health risk category reaching “High” or above at Tuen Mun station.

From 2014 to 2023, the number of hours with AQHI at “7” or above (i.e., “high” health risk category or above) recorded at Tuen Mun Air Quality Monitoring Station continued to decrease: 220 hours (or 2.5%) were recorded in 2023, which is lower than 519 hours (or 5.9%) in 2014, reflecting the continuous improvement of air quality in Tuen Mun in recent years.

In November and December 2023, Tuen Mun station recorded 12 days with AQHI reaching “7” or above. Details are shown as follows:

Dates (AQHI reached “7” or above)	Duration (Hour)	Dates (AQHI reached “7” or above)	Duration (Hour)
1 November	3	5 December	2
20 November	5	26 December	3
23 November	7	27 December	5
24 November	3	28 December	8
27 November	6	30 December	5
4 December	2	31 December	9

Note: Short-term air quality can fluctuate significantly depending on various factors, including meteorological conditions. Fluctuation of weather conditions could cause air quality of individual months to 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). The short-term data in the same period last year shall only be taken for reference.

During the same period of last year (2022), Tuen Mun station recorded 4 days with AQHI reaching “7” or above. Details are shown as follows:

Dates (AQHI reached “7” or above)	Duration (Hour)	Dates (AQHI reached “7” or above)	Duration (Hour)
9 November	2	20 November	2
13 November	4	8 December	3

Daily maxima and minima of AQHI in November and December of 2022 and 2023 recorded at Tuen Mun air quality monitoring station are shown in the Annex:

Annex:

Daily maxima and minima of AQHI in November and December of 2022 and 2023 at Tuen Mun Air Quality Monitoring Station

Date	November 2022		December 2022		November 2023		December 2023	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest
1	5	3	3	2	8	3	5	3
2	3	2	3	2	5	3	6	3
3	3	2	4	2	5	3	6	3
4	4	3	3	2	5	3	7	3
5	3	2	3	2	5	2	7	2
6	3	2	4	2	6	2	4	3
7	3	2	4	2	5	3	5	3
8	3	2	8	2	5	4	5	3
9	7	2	5	3	5	3	5	3
10	6	2	5	2	4	3	4	3
11	4	3	4	3	4	3	3	2
12	3	2	5	3	4	2	6	2
13	9	2	4	3	4	2	4	2
14	5	3	3	2	6	2	4	3
15	5	4	3	2	4	2	4	3
16	5	4	3	2	4	3	3	2
17	4	3	4	2	5	3	3	2
18	4	2	4	3	5	4	4	2
19	6	3	4	3	6	3	4	2
20	7	3	5	3	7	4	4	2
21	4	3	5	3	6	3	3	2
22	3	3	5	4	5	3	5	3
23	3	2	5	4	10	3	4	3
24	4	2	5	3	7	4	5	3
25	3	2	5	3	6	4	5	3
26	3	2	6	4	6	3	7	3
27	4	3	5	4	8	3	8	4
28	3	2	6	3	5	4	10	4
29	3	2	6	4	5	4	6	4
30	3	2	5	3	5	4	10	3
31			5	3			10+	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.