

## Fort Air Partnership October through December 2022 Air Monitoring Results

From October through December 2022, Fort Air Partnership (FAP) recorded 12,597 hours of air monitoring data for use in calculating the [Air Quality Health Index \(AQHI\)](#) at seven stations in our Airshed.

Hours monitored	Low risk AQHI (hrs)	Moderate AQHI (hrs)	High AQHI (hrs)	Very High AQHI (hrs)
12,597	11,387	1,179	20	11

- 11,387 (or 90.3%) of the hours were of low-risk AQHI.
- 1,179 (or 9.4%) of the hours were moderate-risk AQHI.
- 31 hours (or .002%) were high or very high-risk AQHI.

### Summary of Exceedances

There were (27) one-hour and (25) 24-hour [Alberta Ambient Air Quality Objectives](#) (AAAQO) exceedances from October to December 2022. All were for fine particulate matter (PM<sub>2.5</sub>) except for (1) one-hour exceedance for hydrogen sulphide (H<sub>2</sub>S).

Meteorological conditions, a controlled burn at Elk Island National Park, and wintertime temperature inversions caused the vast majority of the exceedances.

*Air quality measurements are compared continuously to both one and 24-hour AAAQOs. An exceedance of an AAAQO is reported to the Alberta Government, and the likely cause of the exceedance is investigated.*

For more details: [October to December report air monitoring report](#).

FAP has ten continuous air monitoring stations in and around Alberta's Industrial Heartland. The AQHI and near real-time data for every substance at every station are available at [fortair.org](http://fortair.org). Information about FAP is also available by calling 1-800-718-0471. FAP's monitoring and reporting on substances that affect air quality is transparent, guided by a scientific advisory group and driven by national and provincial standards.

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### Media inquiries:

Nadine Blaney, Executive Director

Cell: (780) 289-6631

E-mail: [Nadine.blaney@fortairmail.org](mailto:Nadine.blaney@fortairmail.org)