



# Department of Environmental Conservation's Air Monitoring Program Community-Based Air Monitoring Project

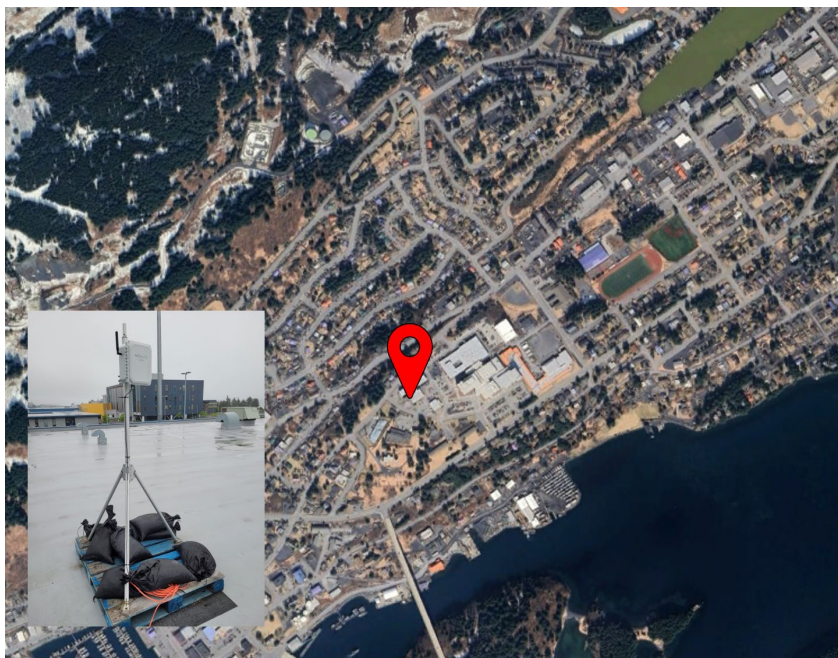
## 2024-25 Winter Season Air Quality Report for Kodiak Island Borough, Kodiak, Alaska

The QuantaQ MODULAIR™ sensor in Kodiak (710 Mill Bay Rd, Kodiak, AK, 99615) was installed on 07/02/2024.

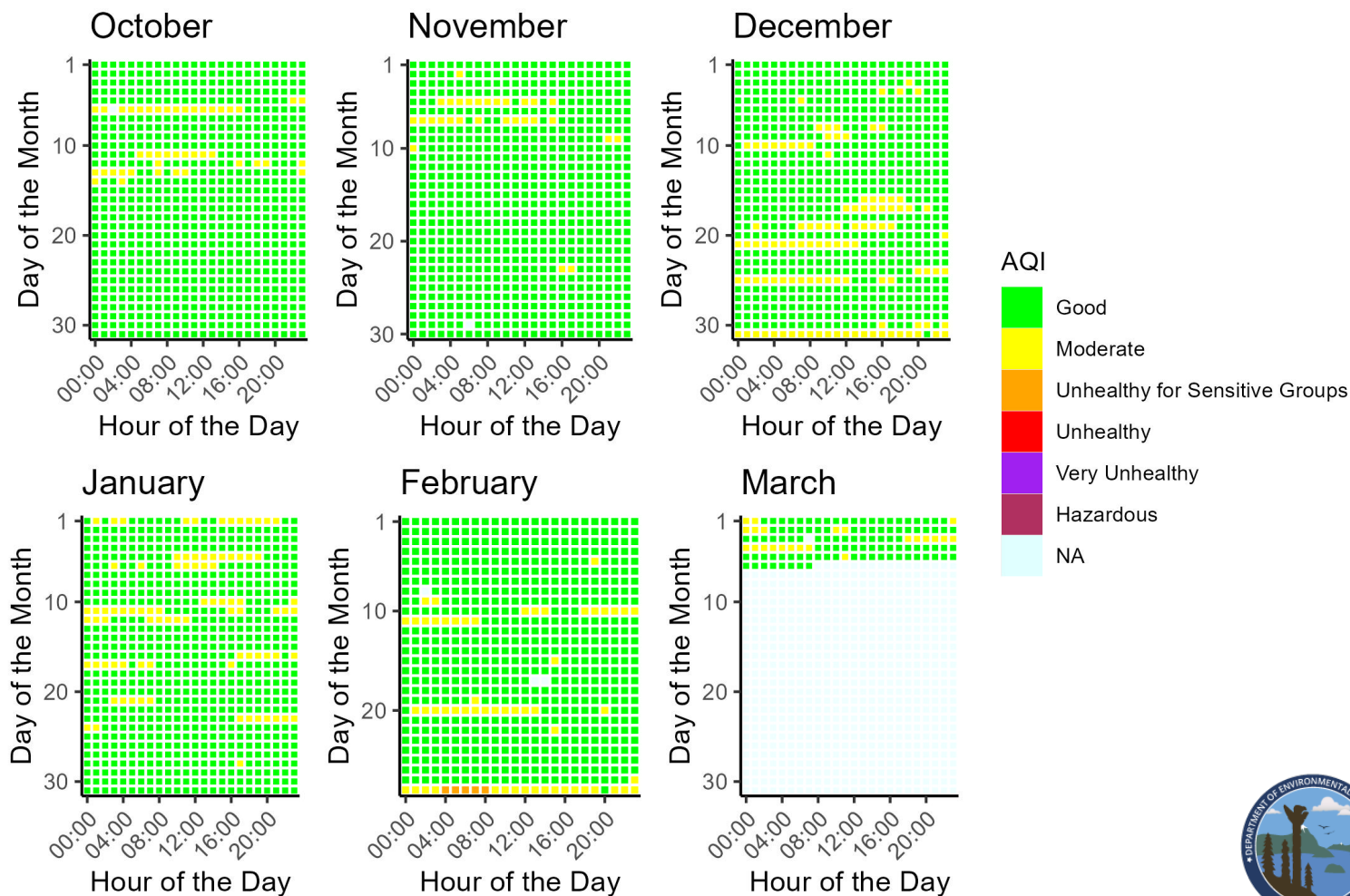
The sensor measures for carbon monoxide (CO), ozone (O<sub>3</sub>), nitrogen oxide (NO), nitrogen dioxide (NO<sub>2</sub>), particulate matter (PM<sub>2.5</sub> and PM<sub>10</sub>), temperature (°C), and relative humidity (RH). Data is collected every minute and is then processed into hourly averages.

The sensor in Kodiak lost power on March 6<sup>th</sup> due to a local electrical outlet issue. The sensor has since been reconnected to a stable power source and has been operating without problems since April 8<sup>th</sup>.

This data report covers the date range of October 1, 2024, to March 31, 2025.

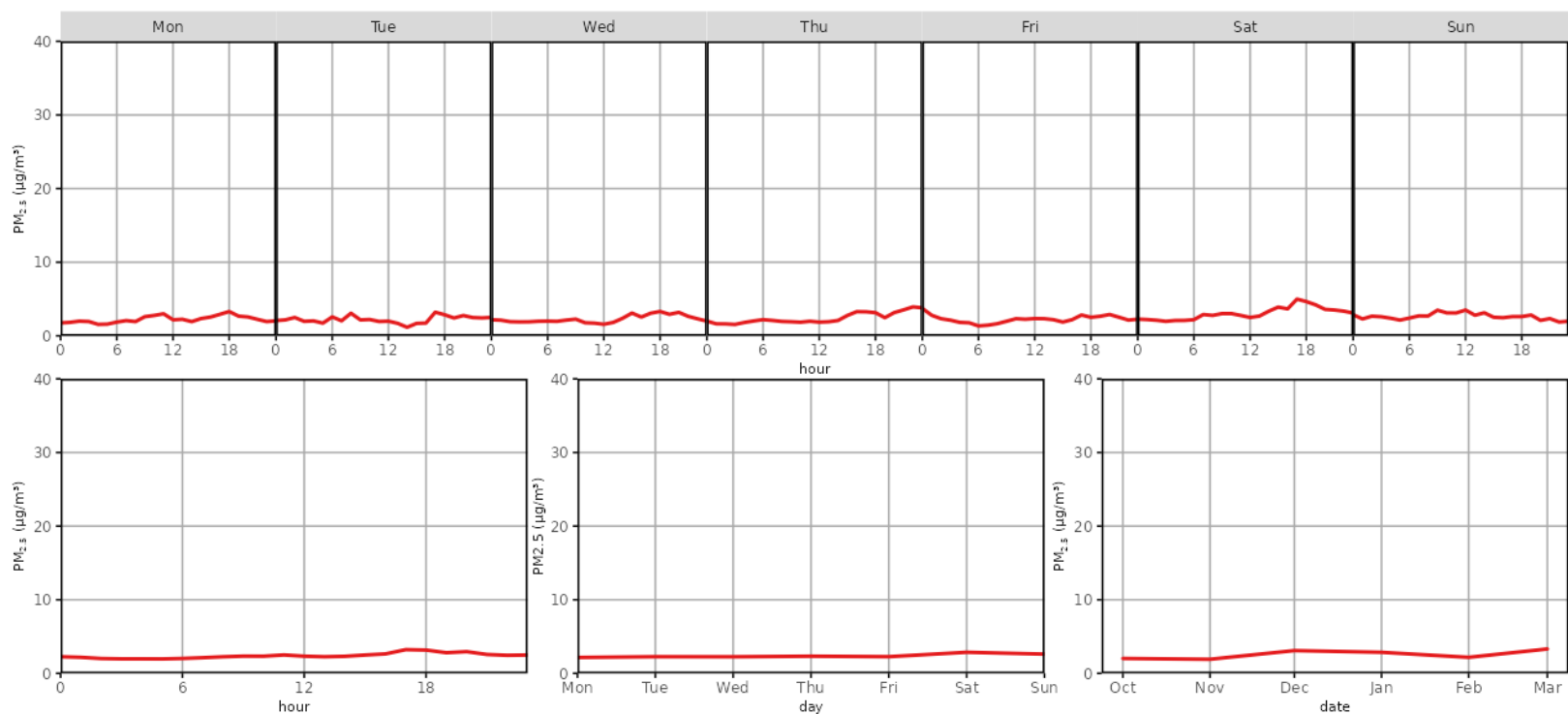


### Daily PM<sub>2.5</sub> Air Quality Index (AQI) for October 1, 2024 – March 31, 2025



# 2024-25 Winter Season Air Quality Report for Kodiak Island Borough

## Median PM<sub>2.5</sub> Concentrations for October 1, 2024 – March 31, 2025



### Descriptive Statistics of Air Pollutants\*

Parameter	1-hr PM <sub>2.5</sub> (µg/m <sup>3</sup> )	24-hr PM <sub>2.5</sub> (µg/m <sup>3</sup> )	1-hr PM <sub>10</sub> (µg/m <sup>3</sup> )**	24-hr PM <sub>10</sub> (µg/m <sup>3</sup> )**	1-hr O <sub>3</sub> (ppb)	1-hr NO <sub>2</sub> (ppb)	1-hr NO (ppb)	1-hr CO (ppb)
Min	0.04	0.65	0.00	3.25	0.40	2.85	1.40	0.30
Mean	3.85	3.82	39.87	34.13	24.04	18.64	2.98	0.70
1 <sup>st</sup> Max	44.53	25.10	1747.00	215.29	41.30	34.15	13.38	1.10
2 <sup>nd</sup> Max	40.79	14.35	1168.00	211.33	41.10	32.18	11.73	1.10

### Data Discussion

Kodiak’s PM<sub>2.5</sub> ambient air quality for the summer 2024 season fell mostly in the “good” range of the Air Quality Index (AQI; more information about AQI is provided on page 3), with several brief periods each month reporting in the “moderate” AQI range. Diurnal patterns show little variability of PM<sub>2.5</sub> concentrations across different times of day or days of the week. December and February produced the highest AQI levels during the reporting period.

\* These statistics are based on preliminary data readings and are intended to provide a brief overview of sensor activity. Finalized data may be obtained upon request and through our annual statistical reports. Data from the community sensor network is non-regulatory and not comparable to the EPA’s National Ambient Air Quality Standards (NAAQS; more information about the EPA NAAQS is provided on page 3).

\*\* PM<sub>10</sub> particle sensors are influenced by weather events such as fog and snow due to hygroscopic effects, creating false maximum values that do not pose health risks.



Resources



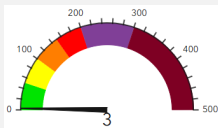
[Alaska Department of Environmental Conservation](#)



[EPA NAAQS Information](#)



[Air Quality Index \(AQI\) Basics](#)



[Real-Time AQI Data](#)



Data Access

To access historical data for your community’s sensor, please email a request to: [AMQA-Data-Request@alaska.gov](mailto:AMQA-Data-Request@alaska.gov) . Data will be provided in Excel or .csv format.

Questions or Comments?

Please contact us!

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