

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2024-F1
Sunday June 9, 2024

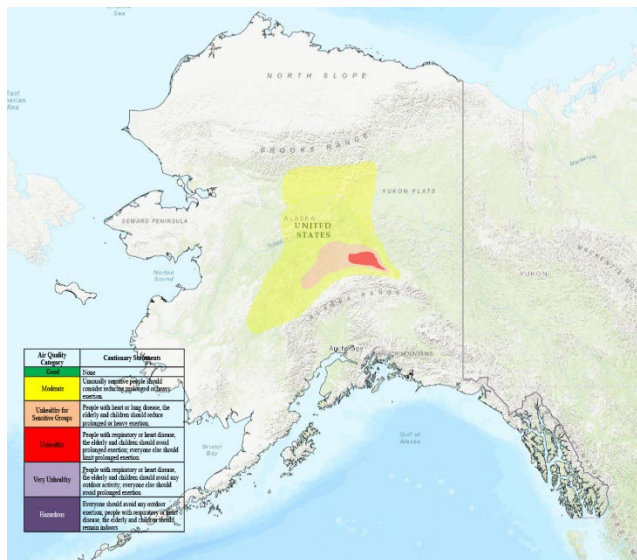
LOCATION(S) IMPACTED: Central and Eastern Alaska.

TIME/DATE OF UPDATE: Sunday June 9, 2024, 11:00 AM

VALID TIME: Sunday June 9, 2024, 11:00 AM to Tuesday June 11, 2024, 2:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Tuesday June 11, 2024, 2:00 PM, if needed.

ADVISORY: The lightning caused McDonald fire kicked off yesterday in the Tanana flats southeast of Fairbanks. Smoke production from this fire will be very active for the next few days until it is contained or wetting rains from interior thunderstorms provide some wetting rains. Communities in the shaded areas below will see smoke impacts. Air Quality will vary between **GOOD** and **Unhealthy** in the region, areas downstream of the fire will be greatly impacted until the smoke lifts into transport winds aloft. In the image below, highlighted areas are the forecasted impacted areas associated with this advisory. See the table below for more guidance on the Air Quality Categories and Cautionary Statements.



Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations for the surrounding impacted areas may be found on the Federal Aviation Administration Weather Cams homepage at <https://weathercams.faa.gov/>.

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.