

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2024-F10
Saturday June 29, 2024

LOCATION(S) IMPACTED: Central and Eastern Alaska.

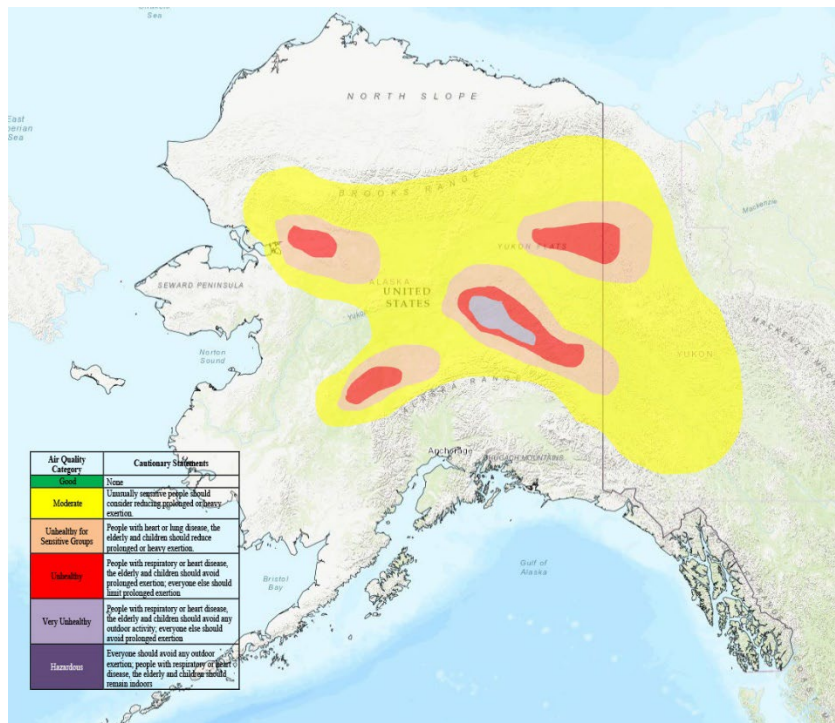
TIME/DATE OF UPDATE: Saturday June 29, 2024, 2:00 PM

VALID TIME: Saturday June 29, 2024, 2:00 PM to Monday July 1, 2024, 2:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Monday July 1, 2024, 2:00 PM, if needed.

ADVISORY: The McDonald to the southeast and the Globe, Slate and Iver fires to the Northwest of FNSB are very active smoke producers. The Midnight, Owl Fire, and Van Hatten fires in the far east are also very active. Smoke production from all fires mentioned will continue throughout the advisory period. Low-level wind flow is now progressing in a eastward direction, this flow will transport smoke into Tok and surrounding communities east. During the evening/early morning hours, smoke will settle in the flats/valleys/low lying areas, greatly impacting a larger number of communities.

Air quality in the region will fluctuate between **GOOD** and **VERY UNHEALTHY**, with downstream areas of the fires experiencing the most significant impacts. The highlighted areas in the image below indicate the forecasted impacted regions associated with this advisory. Refer to the table below for more guidance on 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.