

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality**

SITUATION REPORT

**AIR QUALITY ADVISORY
South Central AK #2009-05**

LOCATION(S) IMPACTED: Copper River Basin, NE and SE Prince William Sound, Western Prince William Sound, Western Kenai Peninsula, Matanuska Valley.

TIME/DATE OF UPDATE: Friday, July 10, 1:30 PM.

VALID TIME: Valid July 10 at 1:30 PM until July 13 at 11:00 AM.

TIME/DATE OF THE NEXT REPORT: Monday, July 13, 11:00 AM.

ADVISORY: The Chakina Fire in the Copper River Basin and the Shanta Creek Fire on the Kenai Peninsula continue to produce smoke that is affecting parts of South Central Alaska. Temperatures will remain above average, and this warming and drying will lead to increased fire activity and increased smoke production. Areas of smoke will continue to impact several areas in South Central over the weekend. Overall air quality around this region will be **good to moderate**, with some areas experiencing periods that are **unhealthy for sensitive individuals**.

The forecast for South Central Alaska for the weekend is for partly cloudy skies and above average temperatures. High pressure continues to dominate the weather so winds will remain light throughout South Central and smoky conditions will persist. Local wind flow patterns will affect smoke dispersion and the area for the greatest impact from these fires.

Keep in mind 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. Alternatively, hot, dry weather may lead to extensive fire activity, dramatically increasing smoke production, and thus causing the worst visibilities to occur in the late afternoon and early evening hours. This is what has been observed over much of the past week throughout the State, as high pressure has dominated the weather pattern.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of 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 may be found on National Weather Service's homepage at <http://pafc.arh.noaa.gov/obs.php>.

DEC advises anyone with respiratory illness or heart disease, the elderly, and children to avoid exposure to smoke. All others are cautioned to avoid outdoor activities or physical exertion when conditions reach unhealthy levels, as defined below:

The following table is the Air Quality Index for Particle Pollution.

Index Values	Levels of Health Concern	Cautionary Statements
0-50	Good	None
51-100	Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
101-150	Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
151-200	Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.
201-300	Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion.
Over 300	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 Wildfire Smoke from the Department of Health and Social Services, visit their website at <http://www.epi.alaska.gov/eh/wildfire/default.htm>.

For information on Wildfire Smoke from the Department of Environmental Conservation, Air Quality Division, visit the website at <http://www.dec.state.ak.us/air/smokemain.htm>.

For information on road conditions around Alaska, visit the Road Traveler Information System at <http://511.alaska.gov/>.

For information on this advisory, contact Cindy Dettmer-Shea with the Division of Air Quality, at 907-269-7676.

NOTIFICATION LIST:

Copper River Basin (141)

Glennallen
Gulkana
Gakona
Eureka
McCarthy
Paxson
Slana
Nabesna
Chisana
Copper Center
Tazlina
Tonsina
Tolsona
Silver Springs
Nelchina
Mendeltna
Lake Louise
Kenny Lake
Chistochina
Chitina
Copperville

NE Prince William Sound (131)

Valdez
Thompson Pass

SE Prince William Sound (135)

Cordova
Eyak
Tatitlek

W Prince William Sound (125)

Whittier
Seward
Lowell Point
Girdwood
Moose Pass
Primrose
Crown Point
Chenega Bay
Point MacKenzie
Chase
Petersville
Susitna
Trapper Creek

Matanuska Valley (111)

Matanuska-Susitna Borough

Palmer
Buffalo-Soapstone
Butte
Wasilla
Houston
Sutton
Chickaloon
Big Lake
Miller Landing
Knik-Fairview
Glacier View
Knik River
Farm Loop
Lazy Mtn
Fishhook
Tanaina
Meadow Lakes
Lakes
Gateway

Western Kenai Peninsula (121)

Kenai Peninsula Borough

Kenai
Soldotna
Sterling
Sunrise
Halibut Cove
Nikiski
Ninilchik
Kalifornsky
Kasilof
Kachemak
Funny River
Clam Gulch
Cooper Landing
Homer
Hope
Jakolof Bay
Cooper Landing
Anchor Point
Seldovia
Seldovia Village
Happy Valley
Salamatof

Ridgeway

Nanwalek
Port Graham
Nikolaevsk
Cohoe
Diamond Ridge
Fox River
Fritz Creek