

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality

SITUATION REPORT

AIR QUALITY ADVISORY
Interior AK #2009-01

LOCATION(S) IMPACTED: Middle Tanana Valley, Yukon Flats and Uplands, Central Interior, Denali Park, Deltana and Tanana Flats

TIME/DATE OF UPDATE: Saturday, July 4, 4:00 PM.

VALID TIME: Valid July 4 at 4:00 PM until July 6 at 10:00 AM.

TIME/DATE OF THE NEXT REPORT: Monday, July 6, 10:00 AM.

ADVISORY: Several fires north of Denali National Park including the Bear Creek, Zitziana and Bear Lake Fires are causing areas of smoke across much of the Central Interior, Middle Tanana Valley and areas near Denali National Park. Winds in the region will be light and mostly out of the west through southwest, so expect communities and roadways just to the east and northeast of these fires to experience the worst conditions. Overall air quality around this region will be **good** to **moderate**, with some areas closest to the fires experiencing periods that are **unhealthy**.

A second area of smoke impact is the Yukon Flats and Uplands. Winds are expected to be out of the west throughout the weekend, which will move smoke from the Sheenjok Fire away from Fort Yukon and the communities of Circle and Central. However, the Little Black One Fire may produce enough smoke to reach these areas. Overall air quality around this region will be **good**, with some areas experiencing periods that are **unhealthy for sensitive individuals**.

The forecast for the Central and Eastern Interior, as well as the Yukon Flats and Uplands, is for partly cloudy skies with showers and isolated thunderstorms for this evening and into Sunday. High pressure will keep winds light through the Interior. 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 the Interior into early next week.

Keep in mind that areas immediately downwind of any fire will experience **hazardous** levels of smoke. Also, worse conditions generally occur during the nighttime to 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 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>.

CURRENT BURN RESTRICTIONS: None.

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:

Middle Tanana Valley

Fairbanks NSB
Fairbanks
Ft Wainwright
Eielson AFB
College
Ester
North Pole
Moose Creek
Fox
Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Deltana & Tanana Flats

Salcha
Delta Junction
Big Delta
Ft Greely
Deltana
Harding/Birch Lakes
Dry Creek
Healy Lake
Dot Lake
Dot Lake Village

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry
Four Mile Road
Tanana
Minto
Manley Hot Spgs
Rampart

Denali Park

Denali Borough
Healy
Denali Ntl Park
Carlo Creek
Kantishna

Yukon Flats & Uplands

Fort Yukon
Venetie
Birch Creek
Beaver
Stevens Village
Chalkyitsik
Circle
Central
Twelvemile Summit
Circle Hot Springs
Eagle Summit

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Interior AK #2009-02**

LOCATION(S) IMPACTED: Middle Tanana Valley, Yukon Flats and Uplands, Central Interior, Denali Park, Deltana and Tanana Flats

TIME/DATE OF UPDATE: Monday, July 6, 11:00 AM.

VALID TIME: Valid July 6 at 11:00 AM until July 8 at 10:00 AM.

TIME/DATE OF THE NEXT REPORT: Wednesday, July 8, 10:00 AM.

ADVISORY: Several fires north of Denali National Park continue to burn and are causing areas of smoke across much of the Central Interior, Middle Tanana Valley and areas near Denali National Park. Winds in the region will remain light and variable through Tuesday, keeping smoke from over the weekend and recent smoke production from these fires in the area. Overall air quality around this region will be **good to moderate**, with some areas closest to the fires experiencing periods that are **unhealthy**.

A second area of smoke from the Little Black One Fire continues to impact communities in the Yukon Flats and Uplands. Winds are expected to be light and out of the west for Monday, and turning to be more from the east into Tuesday evening. This wind shift may cause more of a smoke impact for Fort Yukon, Central and Circle. Overall air quality around this region will be **good**, with some areas experiencing periods that are **unhealthy for sensitive individuals**.

The forecast for the Central and Eastern Interior, as well as the Yukon Flats and Uplands, is for partly cloudy skies and above average temperatures through Tuesday. High pressure is keeping winds light throughout the Interior, so smoky conditions will persist. With very little chance for rain, fire activity is expected to increase, along with smoke production.

Keep in mind that areas immediately downwind of any fire will experience **hazardous** levels of smoke. Also, worse conditions generally occur during the nighttime to 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 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>.

CURRENT BURN RESTRICTIONS: None.

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:

Middle Tanana Valley

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Ft Wainwright
Eielson AFB
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Ester
North Pole
Moose Creek
Fox
Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Deltana & Tanana Flats

Salcha
Delta Junction
Big Delta
Ft Greely
Deltana
Harding/Birch Lakes
Dry Creek
Healy Lake
Dot Lake
Dot Lake Village

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry
Four Mile Road
Tanana
Minto
Manley Hot Spgs
Rampart

Denali Park

Denali Borough
Healy
Denali Ntl Park
Carlo Creek
Kantishna

Yukon Flats & Uplands

Fort Yukon
Venetie
Birch Creek
Beaver
Stevens Village
Chalkyitsik
Circle
Central
Twelvemile Summit
Circle Hot Springs
Eagle Summit

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

SITUATION REPORT

**AIR QUALITY ADVISORY
South Central AK #2009-04**

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

TIME/DATE OF UPDATE: Wednesday, July 8, 11:30 AM.

VALID TIME: Valid July 8 at 11:30 AM until July 9 at 5:00 PM.

TIME/DATE OF THE NEXT REPORT: Thursday, July 9, 5:00 PM.

ADVISORY: Fire activity for the Chakina Fire in the Copper River Basin has decreased slightly, but continues to produce smoke that is drifting as far south as Valdez and Seward. Winds are expected to remain light and variable for this part of South Central, which will keep smoke in the area through Thursday. 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 the Copper River Basin and Prince William Sound is for partly cloudy skies and above average temperatures through Thursday. High pressure is keeping winds light throughout South Central, so local wind flow patterns will affect smoke dispersion and the area for the greatest impact from this fire. Isolated showers and thunderstorms are possible this evening and into Thursday, which may help improve the air quality for the area.

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>.

CURRENT BURN RESTRICTIONS: None.

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

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

SITUATION REPORT

**AIR QUALITY ADVISORY
South Central AK #2009-03**

LOCATION(S) IMPACTED: Susitna Valley, Copper River Basin

TIME/DATE OF UPDATE: Monday, July 6, 11:00 AM.

VALID TIME: Valid July 6 at 11:00 AM until July 8 at 10:00 AM.

TIME/DATE OF THE NEXT REPORT: Wednesday, July 8, 10:00 AM.

ADVISORY: Several fires north of Denali National Park continue to burn and are causing smoke to drift into the Susitna Valley as far south as Talkeetna. Winds in the region will remain light and variable through Tuesday, keeping smoke from over the weekend and recent smoke production from these fires in the area. Overall air quality around this region will be **good to moderate**, with periods that are **unhealthy for sensitive individuals**.

The Chakina Fire in the Copper River Basin is producing smoke that is impacting this area. Winds are expected to be light and variable in this region as well, which will keep smoke in the area through Tuesday. 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 the Susitna Valley, as well as the Copper River Basin, is for partly cloudy skies and above average temperatures through Tuesday. High pressure is keeping winds light throughout South Central, so smoky conditions will persist. No precipitation is expected, so fire activity will likely increase along with smoke production.

Keep in mind that areas immediately downwind of any fire will experience **hazardous** levels of smoke. Also, worse conditions generally occur during the nighttime to 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 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>.

CURRENT BURN RESTRICTIONS: None.

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:

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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

Susitna Valley (145)

Matanuska-Sustina Borough

Talkeetna
Willow
Cantwell
Point MacKenzie
Chase
Petersville
Susitna
Trapper Creek
Skwentna
Tyonek

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Interior AK #2009-03**

LOCATION(S) IMPACTED: Middle Tanana Valley, Yukon Flats and Uplands, Central Interior, Denali Park, Deltana and Tanana Flats, Upper Tanana Valley & Fortymile Country.

TIME/DATE OF UPDATE: Wednesday, July 8, 11:30 AM.

VALID TIME: Valid July 8 at 11:30 AM until July 9 at 5:00 PM.

TIME/DATE OF THE NEXT REPORT: Thursday, July 9, 5:00 PM.

ADVISORY: The Minto Flats South, Zitziana and Bear Creek Fires north of Denali National Park continue to increase in size, and are causing areas of smoke across much of the Central Interior, Middle Tanana Valley and areas near Denali National Park. For Wednesday, overall air quality will be **good to moderate**, with some areas closest to the fires experiencing periods that are **unhealthy**. Winds for the Interior will remain light through this afternoon, and will begin increasing from the west this evening, and air quality should improve overnight.

The Sheenjek, Rock Slough, and Little Black One Fires in the Yukon Flats and Uplands are also increasing in size and producing quite a bit of smoke. Winds are expected to be out of the northeast today, and turning more westerly on Thursday. Smoke from these fires will likely impact communities west of the fires such as Venetie and Circle through today. Overall air quality will be **good**, with some areas experiencing periods that are **unhealthy for sensitive individuals**. Air quality should also improve for this area overnight.

High pressure will continue to keep warm temperatures and light winds for most of the Central and Eastern Interior through Wednesday. A band of showers and thunderstorms will make its way across the State this evening and into Thursday which will help to improve air quality. Winds will also increase and should help with getting some of the smoke and haze out of the area. This reprieve will be short lived, as warm temperatures and high pressure are expected to return towards the weekend.

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>.

CURRENT BURN RESTRICTIONS: None.

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:

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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
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FOR MORE INFORMATION:

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

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Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Deltana & Tanana Flats

Salcha
Delta Junction
Big Delta
Ft Greely
Deltana
Harding/Birch Lakes
Dry Creek
Healy Lake
Dot Lake
Dot Lake Village

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry

Four Mile Road

Tanana
Minto
Manley Hot Spgs
Rampart

Denali Park

Denali Borough
Healy
Denali Ntl Park
Carlo Creek
Kantishna

Yukon Flats & Uplands

Fort Yukon
Venetie
Birch Creek
Beaver
Stevens Village
Chalkyitsik
Circle
Central
Twelvemile Summit
Circle Hot Springs
Eagle Summit

Upper Tanana Valley & Fortymile Country (224)

Alcan
Eagle
Eagle Village
Boundary
Chicken
Northway
Northway Village

Northway Junction

Tetlin
Tok
Tanacross

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

SITUATION REPORT

**AIR QUALITY ADVISORY
South Central AK #2009-04r**

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

TIME/DATE OF UPDATE: Wednesday, July 8, 11:30 AM, *revised 5:00PM.*

VALID TIME: Valid July 8 at 11:30 AM until July 9 at 5:00 PM.

TIME/DATE OF THE NEXT REPORT: Thursday, July 9, 5:00 PM.

ADVISORY: Several fires across the State are impacting air quality for most of South Central Alaska.

Fire activity for the Chakina Fire in the Copper River Basin has decreased slightly, but continues to produce smoke that is drifting as far south as Valdez and Seward. Winds are expected to remain light and variable for this part of South Central, which will keep smoke in the area through Thursday. Overall air quality around this region will be **good** to **moderate**, with some areas experiencing periods that are **unhealthy for sensitive individuals**.

The Shanta Creek Fire southeast of Soldotna has increased in intensity, and is producing smoke that is impacting the northern Kenai Peninsula and the Anchorage Bowl. Fires north of Denali National Park continue to increase in size, and are causing smoke to drift into the Matanuska-Susitna Valleys. For Wednesday evening, overall air quality for the region will be **good to moderate**, with some areas experiencing periods that are **unhealthy for sensitive individuals**. Winds will be light and begin to increase from the west this evening and into Thursday, which may help improve the air quality for the area.

The forecast for South Central Alaska for Wednesday evening is for partly cloudy skies and isolated showers and thunderstorms near the mountains. High pressure is keeping winds light throughout South Central, so 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.

The Municipality of Anchorage's Air Quality Program has also issued an air quality advisory. Air quality updates for the Municipality of Anchorage are available at 343-4899.

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>.

CURRENT BURN RESTRICTIONS: None.

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.

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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
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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

Susitna Valley (145)

Matanuska-Sustina Borough
Talkeetna
Willow
Cantwell

Point MacKenzie
Chase
Petersville
Susitna
Trapper Creek
Skwentna
Tyonek

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

Anchorage Bowl (101)

Municipality of Anchorage
Anchorage
Bear Creek
Eagle River
Chugiak
Birchwood
Indian
Eklutna

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

**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

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Interior AK #2009-04**

LOCATION(S) IMPACTED: Middle Tanana Valley, Yukon Flats and Uplands, Central Interior, Denali Park, Deltana and Tanana Flats, Upper Tanana Valley & Fortymile Country.

TIME/DATE OF UPDATE: Tuesday, July 14, 10:00 AM.

VALID TIME: Valid July 14 at 10:00 AM until July 16 at 11:00 AM.

TIME/DATE OF THE NEXT REPORT: Thursday, July 16, 11:00 AM.

ADVISORY: Several fires in the Interior north of Denali National Park continue to increase in size, and are causing areas of smoke across much of the Central Interior, Middle Tanana Valley and areas near Denali National Park. Winds for the Interior will be from the west/northwest through this afternoon, and will begin turning to be from the north this evening through Wednesday. Overall air quality will be **good to moderate**, with some areas closest to the fires experiencing periods that are **unhealthy**.

The Sheenjek, Rock Slough, and Little Black One Fires in the Yukon Flats and Uplands continue to grow. Winds are expected to be out of the west today, and turning more northeasterly on Wednesday. Smoke from these fires will likely begin to impact communities west of the fires such as Birch Creek and Fort Yukon overnight and into Wednesday. Overall air quality will be **good**, with some areas experiencing periods that are **unhealthy for sensitive individuals**.

Remnants of a cold front will be passing through the Interior today, bringing with it westerly winds and a chance for isolated showers and thunderstorms. Temperatures will be in the 80s today under mostly sunny skies. On Wednesday, more clouds will be moving in and temperatures cooling some to be in the mid-70s. Isolated showers and thunderstorms will still be possible for most of the Interior.

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.

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:

Middle Tanana Valley

Fairbanks NSB
Fairbanks
Ft Wainwright
Eielson AFB
College
Ester
North Pole
Moose Creek
Fox
Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Deltana & Tanana Flats

Salcha
Delta Junction
Big Delta
Ft Greely
Deltana
Harding/Birch Lakes
Dry Creek
Healy Lake
Dot Lake
Dot Lake Village

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry
Four Mile Road
Tanana
Minto
Manley Hot Spgs

Rampart

Denali Park

Denali Borough
Healy
Denali Ntl Park
Carlo Creek
Kantishna

Yukon Flats & Uplands

Fort Yukon
Venetie
Birch Creek
Beaver
Stevens Village
Chalkyitsik
Circle
Central
Twelvemile Summit
Circle Hot Springs
Eagle Summit

Upper Tanana Valley & Fortymile Country (224)

Alcan
Eagle
Eagle Village
Boundary
Chicken
Northway
Northway Village
Northway Junction
Tetlin
Tok
Tanacross

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

SITUATION REPORT

**AIR QUALITY ADVISORY
South Central AK #2009-06**

LOCATION(S) IMPACTED: Copper River Basin.

TIME/DATE OF UPDATE: Tuesday, July 14, 10:30 AM.

VALID TIME: Valid July 14 at 10:30 AM until July 16 at 11:00 AM.

TIME/DATE OF THE NEXT REPORT: Thursday, July 16, 11:00 AM.

ADVISORY: The Chakina Fire in the Copper River Basin continues to grow along the Chakina River. 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 the Copper River Basin for the next few days. 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 Tuesday and Wednesday for the Copper River Basin is for partly cloudy skies, with isolated showers and thunderstorms. Winds will remain light, 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.

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

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Interior AK #2009-05**

LOCATION(S) IMPACTED: Middle Tanana Valley, Upper Koyukuk Valley, Yukon Flats and Uplands, Central Interior, Denali Park, Deltana and Tanana Flats, Eastern Alaska Range.

TIME/DATE OF UPDATE: Monday, July 20, 1:00 PM.

VALID TIME: Valid July 20 at 1:00 PM until July 22 at 11:00 AM.

TIME/DATE OF THE NEXT REPORT: Wednesday, July 22, 11:00 AM.

ADVISORY: There are several fires in the Interior to the north of Denali National Park, and the warm and dry conditions this area has experienced are causing the fires to continue to increase in size. Areas of smoke from these fires have been present for the past few weeks across most of the Interior, and will continue to affect the region. Winds for the Interior will be light through this evening, and will begin turning to be from the south/southeast on Tuesday. Overall air quality will be **moderate** to **unhealthy for sensitive individuals**, with some areas closest to the fires experiencing periods that are **hazardous**.

The Sheenjok, Rock Slough, and Little Black One Fires are still actively growing and producing smoke in the Yukon Flats and Uplands. Winds will remain light today, keeping smoke from over the weekend and recent smoke production from these fires in the area. The winds are expected to be from the east/southeast around 10 mph on Tuesday, which may help dissipate some of the smoke that is lingering in this area. However smoke will likely continue to impact communities in this area through the rest of the week. Overall air quality will be **good**, with some areas experiencing periods that are **unhealthy**.

The forecast for the Interior is for partly cloudy skies and temperatures in the upper 70s to lower 80s. Isolated showers and thunderstorms are possible for most of the Interior for Monday, and are possible on Tuesday for the Southeastern Brooks Range, and northern portions of the Upper Koyukuk Valley and Yukon Flats areas.

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.

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:

Middle Tanana Valley

Fairbanks NSB
Fairbanks
Ft Wainwright
Eielson AFB
College
Ester
North Pole
Moose Creek
Fox
Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Deltana & Tanana Flats

Salcha
Delta Junction
Big Delta
Ft Greely
Deltana
Harding/Birch Lakes
Dry Creek
Healy Lake
Dot Lake
Dot Lake Village

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry
Four Mile Road
Tanana
Minto
Manley Hot Spgs

Rampart

Denali Park

Denali Borough
Healy
Denali Ntl Park
Carlo Creek
Kantishna

Yukon Flats & Uplands

Fort Yukon
Venetie
Birch Creek
Beaver
Stevens Village
Chalkyitsik
Circle
Central
Twelvemile Summit
Circle Hot Springs
Eagle Summit

Upper Koyukuk Valley (219)

Allakaket
New Allakaket
Alatna
Hughes
Bettles
Evansville
Caribou Mtn
Gobblers Knob

Eastern Alaska Range (226)

Mentasta Lake
Black Rapids
Donnelly Dome
Trims Camp
Eagle Trail
Mineral Lake

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Interior AK #2009-06**

LOCATION(S) IMPACTED: Middle Tanana Valley, Upper Koyukuk Valley, Yukon Flats and Uplands, Central Interior.

TIME/DATE OF UPDATE: Thursday, July 23, 4:00 PM.

VALID TIME: Valid July 23 at 4:00 PM until July 27 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Monday, July 27, 12:00 PM.

ADVISORY: The Interior continues to see smoke from fires burning west of Nenana and Fairbanks. Areas of smoke from these fires have been present for the past few weeks across most of the Interior, and will continue to affect the region. Light winds on Thursday will keep smoke from the Wood River fire nearby and may produce enough smoke to reach the Fairbanks area. Winds in the region are forecast to be predominately out of the south for the weekend, so communities to the north and those closest to the fires, such as Nenana, Tanana and Fairbanks, are expected to see the smokiest conditions. Overall air quality will be **good**, with some areas closest to the fires experiencing periods that are **unhealthy for sensitive individuals**.

The Little Black One Fire is still actively growing and producing smoke in the Yukon Flats and Uplands. Winds will be out of the southwest today through Saturday, and beginning to turn to be from the east on Saturday evening. Smoke will likely continue to impact communities in this area through the weekend. Overall air quality will be **good**, with some areas experiencing periods that are **unhealthy**.

The forecast for the Interior is for partly cloudy skies and temperatures in the upper 70s to lower 80s. Dry and warm conditions on Friday and throughout the weekend will allow fire activity to grow, so smoky conditions are possibly for most of Interior Alaska.

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.

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
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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:

Middle Tanana Valley

Fairbanks NSB
Fairbanks
Ft Wainwright
Eielson AFB
College
Ester
North Pole
Moose Creek
Fox
Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Upper Koyukuk Valley (219)

Allakaket
New Allakaket
Alatna
Hughes
Bettles
Evansville
Caribou Mtn
Gobblers Knob

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry
Four Mile Road
Tanana
Minto
Manley Hot Spgs
Rampart

Yukon Flats & Uplands

Fort Yukon
Venetie
Birch Creek
Beaver
Stevens Village
Chalkyitsik
Circle
Central
Twelvemile Summit
Circle Hot Springs
Eagle Summit

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Interior AK #2009-07**

LOCATION(S) IMPACTED: Middle Tanana Valley, Upper Koyukuk Valley, Yukon Flats and Uplands, Central Interior, Deltana & Tanana Flats, Southeast Brooks Range.

TIME/DATE OF UPDATE: Monday, July 27, 12:00 PM.

VALID TIME: Valid July 27 at 12:00 PM until July 29 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Wednesday, July 29, 12:00 PM.

ADVISORY: Air Quality in Interior Alaska continues to be affected by several fires burning across the central portion of the state. Hotter temperatures, along with periods of stronger winds from the south, will likely lead to increased fire activity and smoke production for these fires that have been active for some time. Communities to the north of these fires will experience periods of smoke and potentially poor air quality conditions over the next few days.

-The northern portion of the Wood River 1 Fire south of Fairbanks continues to grow, and smoke from this fire will continue to drift into Fairbanks.

-The Minto Flats South Fire (part of the Railbelt Complex) may cause periods of smoky conditions for Nenana, and possibly as far north as Minto.

-Several fires south of the Tanana River will cause periods of smoke for Tanana, and Manley Hot Springs.

-The Little Black One Fire will cause periods of smoke for Chalkyitsik and Fort Yukon, and possibly as far north as Arctic Village.

For all of these locations, air quality will predominantly be **moderate**, with periods that are **very unhealthy**. High pressure will continue to build into the Interior throughout the week, and while winds will be gusty at times, air quality in communities near these fires may become **hazardous** at times.

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.

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:

Middle Tanana Valley

Fairbanks NSB
Fairbanks
Ft Wainwright
Eielson AFB
College
Ester
North Pole
Moose Creek
Fox
Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Upper Koyukuk Valley (219)

Allakaket
New Allakaket
Alatna
Hughes
Bettles
Evansville
Caribou Mtn
Gobblers Knob

Southeast Brooks Range (218)

Arctic Village
Wiseman
Coldfoot
Chandalar
DOT Camp
Iniakuk Lake

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry
Four Mile Road
Tanana
Minto
Manley Hot Spgs
Rampart

Deltana & Tanana Flats (223)

Salcha
Harding/Birch Lakes
Big Delta
Delta Junction
Ft Greely
Deltana
Dry Creek
Healy Lake
Dot Lake
Dot Lake Village

Yukon Flats & Uplands

Fort Yukon
Venetie
Birch Creek
Beaver
Stevens Village
Chalkyitsik
Circle
Central
Twelvemile Summit
Circle Hot Springs
Eagle Summit

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

SITUATION REPORT

**AIR QUALITY ADVISORY
South Central AK #2009-07**

LOCATION(S) IMPACTED: Copper River Basin.

TIME/DATE OF UPDATE: Tuesday, July 28, 1:00 PM.

VALID TIME: Valid July 28 at 1:00 PM until July 30 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Thursday, July 30, 12:00 PM.

ADVISORY: The Chakina Fire continues to grow south of the Chitina River. With little chance for precipitation, fire activity is expected to continue and areas of smoke will continue to impact the Copper River Basin for the next few days. Overall air quality around this region will be **good** to **moderate**, with some areas experiencing periods that are **unhealthy**.

The forecast for Tuesday and Wednesday for the Copper River Basin is for partly cloudy skies, with a chance for isolated showers. Local wind flow along the Chitina and Copper Rivers will affect smoke dispersion and the area for the greatest impact from the fire. Winds will be generally out of the south, but smoke will likely continue to drift west/northwest along the river valley.

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.

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

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality

SITUATION REPORT

AIR QUALITY ADVISORY
Interior AK #2009-08

LOCATION(S) IMPACTED: Middle Tanana Valley, Upper Koyukuk Valley, Yukon Flats and Uplands, Central Interior, Deltana & Tanana Flats, Southeast Brooks Range, Upper Tanana and the Fortymile Country.

TIME/DATE OF UPDATE: Wednesday, July 29, 11:00 AM.

VALID TIME: Valid July 29 at 11:00 AM until July 31 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Friday, July 31, 12:00 PM.

ADVISORY: Air Quality in Interior Alaska continues to be affected by several fires burning across the central portion of the state. With temperatures well above average and no chance for precipitation in sight for the next few days, fire activity and smoke production will continue. Communities near these fires will experience periods of smoke and potentially poor air quality conditions through the end of the week.

- The Wood River 1 Fire may cause periods of smoky conditions for Fairbanks.
- Smoke from the Minto Flats South Fire (part of the Railbelt Complex) is drifting into Nenana, and possibly as far north as Minto.
- Several fires south of the Tanana River will cause periods of smoke for Tanana, Lake Minchumina and Manley Hot Springs.
- The Little Black One Fire will cause periods of smoke for Chalkyitsik, Fort Yukon, and Central, and possibly as far north as Arctic Village.
- There are also fires burning in Canada near the Alcan border. Smoke from these fires may drift into communities near the border, such as Eagle and Northway.

For all of these locations, air quality will predominantly be **good to moderate**, with periods that are **unhealthy**. Air quality in communities near these fires may become **hazardous** at times. High pressure continues to hold in the Interior through Thursday, and the warm and dry weather will keep fires active during the day. Winds will generally be out of the south today, and switching to be light and more variable into Thursday as the weather pattern begins to change.

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.

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:

Middle Tanana Valley

Fairbanks NSB
Fairbanks
Ft Wainwright
Eielson AFB
College
Ester
North Pole
Moose Creek
Fox
Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry
Four Mile Road
Tanana
Minto
Manley Hot Spgs
Rampart

Yukon Flats & Uplands

Fort Yukon
Venetie
Birch Creek
Beaver
Stevens Village
Chalkyitsik
Circle
Central

Twelvemile Summit
Circle Hot Springs
Eagle Summit

Upper Koyukuk Valley (219)

Allakaket
New Allakaket
Alatna
Hughes
Bettles
Evansville
Caribou Mtn
Gobblers Knob

Southeast Brooks Range (218)

Arctic Village
Wiseman
Coldfoot
Chandalar
DOT Camp
Iniakuk Lake

Deltana & Tanana Flats (223)

Salcha
Harding/Birch Lakes
Big Delta
Delta Junction
Ft Greely
Deltana
Dry Creek
Healy Lake
Dot Lake
Dot Lake Village

Upper Tanana Valley & Fortymile Country (224)

Alcan
Eagle

Eagle Village
Boundary
Chicken
Northway
Northway Village
Northway Junction
Tetlin
Tok
Tanacross

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Interior AK #2009-09**

LOCATION(S) IMPACTED: Middle Tanana Valley, Upper Koyukuk Valley, Yukon Flats and Uplands, Central Interior, Denali, Deltana & Tanana Flats, Southeast Brooks Range, Upper Tanana and the Fortymile Country, Eastern Alaska Range.

TIME/DATE OF UPDATE: Friday, July 31, 12:00 PM.

VALID TIME: Valid July 31 at 12:00 PM until August 3 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Monday, August 3, 12:00 PM.

ADVISORY: Air Quality in Interior Alaska continues to be affected by several fires burning across the central portion of the state. Gustier winds from the south/southwest will temporarily improve air quality in some areas on Friday, although communities near these fires will continue to experience periods of smoke and potentially poor air quality conditions throughout the weekend.

- The Wood River 1 Fire may cause periods of smoky conditions for Fairbanks.
- Smoke from the Railbelt Complex Fire is drifting into Nenana and Healy, and possibly as far north as Minto.
- Several fires south of the Tanana River will cause periods of smoke for Tanana, Lake Minchumina and Manley Hot Springs.
- The Little Black One Fire will cause periods of smoke for Chalkyitsik, Fort Yukon, and Central, and possibly as far north as Arctic Village.
- There are also fires burning in Canada near the Alcan border. Smoke from these fires may drift into communities near the border, such as Eagle and Northway.

For all of these locations, air quality will predominantly be **good to moderate**, with periods that are **unhealthy**. Air quality in communities near these fires may become **hazardous** at times. The forecast for the Interior is for partly cloudy skies and isolated showers on Friday, with winds generally out of the south. On Saturday, temperatures will be cooler, and while clouds will increase for most areas, only the furthest northeast portions of the Interior will have a chance for isolated showers. Sunday winds will be more light and variable, which may allow smoky conditions to become more of an issue.

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.

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. 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>. All others are cautioned to avoid outdoor activities or physical exertion when conditions reach unhealthy levels, as defined below:

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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:

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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 the Air Quality in Fairbanks, visit the Fairbanks North Star Borough at <http://co.fairbanks.ak.us/airquality/>.

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

NOTIFICATION LIST:

Middle Tanana Valley

- Fairbanks NSB
- Fairbanks
- Ft Wainwright
- Eielson AFB
- College
- Ester
- North Pole
- Moose Creek
- Fox
- Chatanika
- Chena Hot Spgs
- Pleasant Valley
- Sourdough Camp
- Two Rivers

Central Interior

- Nenana
- Anderson
- Clear Air Station
- Healy
- Ferry
- Four Mile Road
- Tanana
- Minto
- Manley Hot Spgs
- Rampart

Yukon Flats & Uplands

- Fort Yukon

Venetie

- Birch Creek
- Beaver
- Stevens Village
- Chalkyitsik
- Circle
- Central
- Twelvemile Summit
- Circle Hot Springs
- Eagle Summit

Upper Koyukuk Valley (219)

- Allakaket
- New Allakaket
- Alatna
- Hughes
- Bettles
- Evansville
- Caribou Mtn
- Gobblers Knob

Southeast Brooks Range (218)

- Arctic Village
- Wiseman
- Coldfoot
- Chandalar
- DOT Camp
- Iniakuk Lake

Deltana & Tanana Flats (223)

- Salcha

Harding/Birch Lakes

- Big Delta
- Delta Junction
- Ft Greely
- Deltana
- Dry Creek
- Healy Lake
- Dot Lake
- Dot Lake Village

Upper Tanana Valley & Fortymile Country (224)

- Alcan
- Eagle
- Eagle Village
- Boundary
- Chicken
- Northway
- Northway Village
- Northway Junction
- Tetlin
- Tok
- Tanacross

Eastern Alaska Range (226)

- Mentasta Lake
- Black Rapids
- Donnelly Dome
- Trims Camp
- Eagle Trail

Mineral Lake
Denali Park (225)
Denali Borough
Healy
Denali Ntl Park
Carlo Creek
Kantishna

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality

SITUATION REPORT

AIR QUALITY ADVISORY
Interior AK #2009-10

LOCATION(S) IMPACTED: Middle Tanana Valley, Upper Koyukuk Valley, Yukon Flats and Uplands, Central Interior, Deltana & Tanana Flats, Southeast Brooks Range, Upper Tanana and the Fortymile Country, Eastern Alaska Range.

TIME/DATE OF UPDATE: Monday, August 3, 12:00 PM.

VALID TIME: Valid August 3 at 12:00 PM until August 5 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Wednesday, August 5, 12:00 PM.

ADVISORY: Air Quality in Interior Alaska continues to be affected by several fires burning across the central portion of the state. With temperatures well above average and no chance for precipitation in sight for the next few days, fire activity and smoke production will continue. Communities near these fires will continue to experience periods of smoke and potentially poor air quality conditions over the next few days.

- The Wood River 1 Fire is causing periods of smoky conditions for Fairbanks, and may cause visibility issues along the Parks Highway.
- Smoke from the Railbelt Complex Fire is drifting into Nenana and Healy, and possibly as far north as Minto.
- Several fires south of the Tanana River will cause periods of smoke for Tanana, Lake Minchumina and Manley Hot Springs.
- The Crazy Mountain Complex of fires is very close to Circle, and will cause periods of smoke for Chalkyitsik, Fort Yukon, and Central, and possibly as far west as Venetie.
- The Big Creek fire south of the Yukon River will cause smoky conditions for Beaver, Birch Creek and possibly as far west as Stevens Village.
- Several fires are quite active in the Yukon Territory near the Alcan border. Smoke from these fires is drifting into communities near the border, such as Eagle and Northway. Visibility may be reduced at times along the Alaska Highway.

For all of these locations, air quality will predominantly be **unhealthy for sensitive groups**, with many areas reporting **unhealthy** air quality. Throughout the day today, conditions will worsen in some areas, and air quality may become **hazardous** at times in some communities near these fires. The forecast for the Interior is for sunny skies and above average temperatures for the next few days. Winds will be light and variable today, and begin to turn more easterly/southeasterly on Tuesday.

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. Hot, dry weather will 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.

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. 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>. All others are cautioned to avoid outdoor activities or physical exertion when conditions reach unhealthy levels, as defined below:

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Over 300	Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors.

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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:

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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 the Air Quality in Fairbanks, visit the Fairbanks North Star Borough at <http://co.fairbanks.ak.us/airquality/>.

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

NOTIFICATION LIST:

Middle Tanana Valley

- Fairbanks NSB
- Fairbanks
- Ft Wainwright
- Eielson AFB
- College
- Ester
- North Pole
- Moose Creek
- Fox
- Chatanika
- Chena Hot Spgs
- Pleasant Valley
- Sourdough Camp
- Two Rivers

Central Interior

- Nenana
- Anderson
- Clear Air Station
- Healy
- Ferry
- Four Mile Road
- Tanana
- Minto
- Manley Hot Spgs
- Rampart

Yukon Flats & Uplands

- Fort Yukon
- Venetie
- Birch Creek
- Beaver
- Stevens Village
- Chalkyitsik
- Circle
- Central
- Twelvemile Summit
- Circle Hot Springs
- Eagle Summit

Upper Koyukuk Valley (219)

- Allakaket
- New Allakaket
- Alatna
- Hughes
- Bettles
- Evansville
- Caribou Mtn
- Gobblers Knob

Southeast Brooks Range (218)

- Arctic Village
- Wiseman
- Coldfoot
- Chandalar
- DOT Camp
- Iniakuk Lake

Deltana & Tanana Flats (223)

- Salcha
- Harding/Birch Lakes
- Big Delta
- Delta Junction
- Ft Greely
- Deltana
- Dry Creek
- Healy Lake
- Dot Lake
- Dot Lake Village

Upper Tanana Valley & Fortymile Country (224)

- Alcan
- Eagle
- Eagle Village
- Boundary
- Chicken
- Northway
- Northway Village
- Northway Junction
- Tetlin
- Tok
- Tanacross

Eastern Alaska Range (226)

Mentasta Lake
Black Rapids
Donnelly Dome
Trims Camp
Eagle Trail
Mineral Lake

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Southeast AK #2009-01**

LOCATION(S) IMPACTED: Taiya Inlet/Klondike Highway, Haines Borough/Lynn Canal, Juneau Borough.

TIME/DATE OF UPDATE: Monday, August 3, 12:00 PM.

VALID TIME: Valid August 3 at 12:00 PM until August 5 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Wednesday, August 5, 12:00 PM.

ADVISORY: Hazy conditions for several communities in Southeast Alaska are expected for the next few days. Several fires in the Yukon Territory and British Columbia have been very active over the past week due to the warm and dry weather. Smoke and haze from these fires have been observed this morning from Skagway to Juneau, and winds from the north will continue to bring smoke and haze into Southeast Alaska. Overall air quality will predominantly be **good to moderate**, with periods that may become **unhealthy for sensitive groups**.

The forecast for Southeast Alaska is for mostly sunny skies through Wednesday as the ridge of high pressure remains over eastern Alaska and Canada. Winds will be out of the north today, and becoming light and variable on Tuesday. These light winds will keep smoke in the area, and local wind flow patterns will affect how smoke disperses and the areas of greatest impact.

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.

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:

Taiya Inlet/Klondike

Highway (018)

Skagway

Haines Borough/Lynn

Canal (019)

Haines Borough

Haines

Klukwan

Lutak

Covenant Life

Mosquito Lake

Mud Bay

Juneau Borough/North

Admiralty Island (025)

City & Borough of Juneau

Juneau

Douglas

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Northern AK #2009-1**

LOCATION(S) IMPACTED: Central Beaufort Seacoast and Brooks Range.

TIME/DATE OF UPDATE: Tuesday, August 4, 5:00 PM.

VALID TIME: Valid August 4 at 5:00 PM until August 5 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Wednesday, August 5, 12:00 PM.

ADVISORY: Several large fires in Interior Alaska are affecting air quality across the State. Smoke is being reported in several locations along the North Slope, and these conditions are expected to continue through the evening. Overall air quality for Northern Alaska will be predominantly **good to moderate**, with several areas reporting **unhealthy** air quality.

The forecast for the Central Beaufort Seacoast is for mostly cloudy skies, and winds to begin picking up from the east/northeast through Wednesday. This should allow for the smoke that has made its way north to clear out of the area. For the Brooks Range, expect decreasing clouds this evening and partly cloudy skies on Wednesday. Winds will begin shifting to be from the east tomorrow, which will likely allow smoke to keep reaching communities such as Umiat and Anaktuvuk Pass.

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. Hot, dry weather will 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.

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 the Air Quality in Fairbanks, visit the Fairbanks North Star Borough at <http://co.fairbanks.ak.us/airquality/>.

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

NOTIFICATION LIST:

Central Beaufort Seacoast

Nuiqsut
Prudhoe Bay
Alpine
Deadhorse
Kuparuk

Northwest Brooks Range

Singiluk
Umiat

Northeast Brooks Range

Anaktuvuk Pass
Atigun Pass
Galbraith Lake
Sagwon
Franklin Bluffs

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

SITUATION REPORT

**AIR QUALITY ADVISORY
South Central AK #2009-08**

LOCATION(S) IMPACTED: Copper River Basin.

TIME/DATE OF UPDATE: Tuesday, August 4, 2:00 PM.

VALID TIME: Valid August 4 at 2:00 PM until August 5 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Wednesday, Aug 5, 12:00 PM.

ADVISORY: The Chakina Fire south of the Chitina River continues to burn within the fire perimeter, and areas of smoke continue to fill in the nearby river and glacial valleys. Visibilities are reduced as far west as Gulkana. Overall air quality around this region will be **good** to **moderate**, with some areas experiencing periods that are **unhealthy**.

The forecast for the Copper River Basin for the rest of Tuesday is for partly cloudy skies, and for south winds, strongest along the Copper River. These winds will slowly diminish on Wednesday but will remain from the south, and mostly cloudy skies are expected. Local wind flow along the Chitina and Copper Rivers will affect smoke dispersion and the area for the greatest impact, as smoke will likely continue to drift west/northwest along the river valleys.

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.

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

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Western Interior AK #2009-1**

LOCATION(S) IMPACTED: Kobuk Valley, Noatak Valley, Baldwin Peninsula and Selawik Valley, Seward Peninsula, Eastern Norton Sound and Nulato Hills, Koyukuk Valley, Yukon Valley, Upper Kuskokwim Valley.

TIME/DATE OF UPDATE: Tuesday, August 4, 5:00 PM.

VALID TIME: Valid August 4 at 5:00 PM until August 5 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Wednesday, August 5, 12:00 PM.

ADVISORY: Several large fires in Interior Alaska are affecting air quality across the State. Smoke in the Western Interior has been reported as far north as Noatak, and as far west as Nome, with several observations in the interior areas. Smoky conditions are expected to continue through the evening and begin to clear out in some locations on Wednesday as a front moves inland. Overall air quality for the Western Interior will be predominantly **good to moderate**, with several areas reporting **unhealthy** air quality.

The forecast for the Western Interior is for cloudy skies and winds generally from the east/northeast for the rest of Tuesday. On Wednesday, the winds will begin to shift to be more from the south as a front approaches, which should allow smoke to clear out of coastal areas. This front brings with it chances for rain for much of the region. Areas further inland will see the wind shift to be more southerly as well, but smoke will likely still reach communities such as Galena and Kobuk.

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. Hot, dry weather will 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.

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
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0.8 miles or less	Hazardous

FOR MORE INFORMATION:

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For information on the Air Quality in Fairbanks, visit the Fairbanks North Star Borough at <http://co.fairbanks.ak.us/airquality/>.

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

NOTIFICATION LIST:

Baldwin Pen/Selawik Valley

Northwest Arctic Borough

Kotzebue

Selawik

Noorvik

North & Interior Seward Pen

Buckland

Deering

Candle

Council

Haycock

Pilgrim Springs

Serpentine Hot Spgs

Taylor

Southern Seward Peninsula

Nome

White Mountain

Golovin

King Island

Koyuk

Solomon

E Norton Sound/Nulato Hills (212)

Unalakleet

Stebbins

St Michael

Elim

Koyuk

Shaktoolik

Lower Yukon Valley

Grayling

Anvik

Shageluk

Flat

Holy Cross

Kako Landing

Russian Mission

Ohogamiut

Marshall

Lower Koyukuk/Middle

Yukon Valleys

Galena

Nulato

Huslia

Kaltag

Ruby

Koyukuk

Upper Kobuk/Noatak Valley

Northwest Arctic Borough

Ambler

Shungnak

Kobuk

Upper Kuskokwim Valley

McGrath

Takotna

Nikolai

Telida

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality

SITUATION REPORT

AIR QUALITY ADVISORY
Interior AK #2009-11

LOCATION(S) IMPACTED: Middle Tanana Valley, Upper Koyukuk Valley, Yukon Flats and Uplands, Central Interior, Deltana & Tanana Flats, Southeast Brooks Range, Upper Tanana and the Fortymile Country.

TIME/DATE OF UPDATE: Wednesday, August 5, 1:00 PM.

VALID TIME: Valid August 5 at 1:00 PM until August 6 at 5:00 PM.

TIME/DATE OF THE NEXT REPORT: Thursday, August 6, 5:00 PM.

ADVISORY: Air Quality in Interior Alaska continues to be affected by several large fires burning across the central portion of the state. With continued warm temperatures and no chance for precipitation in sight for the next few days, fire activity and smoke production will continue. Communities near these fires will continue to experience periods of dense smoke and poor air quality conditions over the next few days.

- The Wood River 1 and Hardluck Creek Fires are causing periods of smoky conditions for Fairbanks, and may cause visibility issues along the Parks and Richardson Highways.
- Several fires south of the Tanana River are affecting air quality in Tanana, Lake Minchumina and Manley Hot Springs.
- The Crazy Mountain Complex of fires is very close to Circle, and is causing poor air quality for Fort Yukon and Central.
- Smoke from these fires, as well as larger fires such as the Railbelt Complex, Big Creek and Crazy Mountain Complex, is reaching the North Slope, and affecting communities in the Western Interior as well.

For all of these locations, air quality will predominantly be **unhealthy for sensitive groups**, with many areas reporting **very unhealthy** air quality. Throughout the next few days, conditions will fluctuate and worsen in some areas, and air quality may become **hazardous** at times. The forecast for the Central Interior is for partly cloudy skies and warm temperatures. Winds will be light and variable today, and begin to turn more westerly/southwesterly on Thursday.

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. Hot, dry weather will 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.

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. 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>. 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.

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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.

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Visibility	Air Quality
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0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

FOR MORE INFORMATION:

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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 the Air Quality in Fairbanks, visit the Fairbanks North Star Borough at <http://co.fairbanks.ak.us/airquality/>.

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

NOTIFICATION LIST:

Middle Tanana Valley

Fairbanks NSB
Fairbanks
Ft Wainwright
Eielson AFB
College
Ester
North Pole
Moose Creek
Fox
Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry
Four Mile Road
Tanana
Minto
Manley Hot Spgs
Rampart

Yukon Flats & Uplands

Fort Yukon
Venetie

Birch Creek

Beaver

Stevens Village

Chalkyitsik

Circle

Central

Twelvemile Summit

Circle Hot Springs

Eagle Summit

Upper Koyukuk Valley (219)

Allakaket

New Allakaket

Alatna

Hughes

Bettles

Evansville

Caribou Mtn

Gobblers Knob

Southeast Brooks Range (218)

Arctic Village

Wiseman

Coldfoot

Chandalar

DOT Camp

Iniakuk Lake

Deltana & Tanana Flats (223)

Salcha

Harding/Birch Lakes

Big Delta

Delta Junction

Ft Greely

Deltana

Dry Creek

Healy Lake

Dot Lake

Dot Lake Village

Upper Tanana Valley & Fortymile Country (224)

Alcan

Eagle

Eagle Village

Boundary

Chicken

Northway

Northway Village

Northway Junction

Tetlin

Tok

Tanacross

Eastern Alaska Range (226)

Mentasta Lake

Black Rapids

Donnelly Dome

Trims Camp

Eagle Trail

Mineral Lake

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Northern AK #2009-2**

LOCATION(S) IMPACTED: Central and Eastern Beaufort Seacoast and Brooks Range.

TIME/DATE OF UPDATE: Wednesday, August 5, 12:30 PM.

VALID TIME: Valid August 5 at 12:30 PM until August 6 at 5:00 PM.

TIME/DATE OF THE NEXT REPORT: Thursday, August 6, 5:00 PM.

ADVISORY: Several large fires in Interior Alaska are affecting air quality across the State. Smoke is being reported in several locations along the North Slope, and these conditions are expected to continue through Thursday. Overall air quality for Northern Alaska will be predominantly **good to moderate**, with several areas reporting **unhealthy** air quality.

The forecast for the Central and Eastern Beaufort Seacoast for Wednesday is partly cloudy skies and increasing winds out of the northeast/east this evening. This should allow for the smoke that has made its way north to clear out of the area. For the Brooks Range, expect partly cloudy skies and light winds on Wednesday. Winds will pick up and be from the northeast/east this evening and into Thursday. Smoky conditions will likely continue for communities near the Brooks Range for the next few days.

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. Hot, dry weather will 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.

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.

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51-100	Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
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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:

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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:

Central Beaufort Seacoast

Nuiqsut
Prudhoe Bay
Alpine
Deadhorse
Kuparuk

Eastern Beaufort Seacoast

Kaktovik
Flaxman Island

Northwest Brooks Range

Singiluk
Umiat

Northeast Brooks Range

Anaktuvuk Pass
Atigun Pass
Galbraith Lake
Sagwon
Franklin Bluffs

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Western Interior AK #2009-2**

LOCATION(S) IMPACTED: Chukchi Sea Coast, Kobuk Valley, Noatak Valley, Baldwin Peninsula and Selawik Valley, Seward Peninsula, Eastern Norton Sound and Nulato Hills, Koyukuk Valley, Yukon Valley, Upper Kuskokwim Valley .

TIME/DATE OF UPDATE: Wednesday, August 5, 12:30 PM.

VALID TIME: Valid August 5 at 12:30 PM until August 6 at 5:00 PM.

TIME/DATE OF THE NEXT REPORT: Thursday, August 6, 5:00 PM.

ADVISORY: Several large fires in Interior Alaska are affecting air quality across the State. Smoke in the Western Interior has been reported as far north as Kivalina, and as far west as Nome, with several observations across the region. Smoky conditions are expected to continue through Wednesday and may begin to clear out in most locations on Thursday as the winds shift to be from the west. Overall air quality for the Western Interior will be predominantly **good to moderate**, although some locations are approaching **very unhealthy** air quality.

The forecast for the Chukchi Sea Coast, and the Lower Kobuk and Noatak Valleys is for mostly cloudy skies and winds generally from the east on Wednesday. Clouds will hang around into Thursday, and the winds will shift to be more from the west/southwest. This may prevent the smoke from the Interior from reaching this area. For the Baldwin and Seward Peninsulas and the Selawik Valley, mostly cloudy skies are expected with winds shifting to be from the south this evening. Smoke will likely continue to reach this area until at least Thursday when winds from the southwest move into the area along with a chance for showers for the Seward Peninsula. For the rest of the Western Interior, light and variable winds on Wednesday will gradually become more from the south/southwest in the evening but remain light enough that smoke is still expected to reach the region through Thursday.

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.

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:

Baldwin Pen/Selawik Valley

Northwest Arctic Borough

Kotzebue

Selawik

Noorvik

North & Interior Seward Pen

Buckland

Deering

Candle

Council

Haycock

Pilgrim Springs

Serpentine Hot Spgs

Taylor

Southern Seward Peninsula

Nome

White Mountain

Golovin

King Island

Koyuk

Solomon

E Norton Sound/Nulato Hills (212)

Unalakleet

Stebbins

St Michael

Elim

Koyuk

Shaktoolik

Lower Koyukuk/Middle

Yukon Valleys

Galena

Nulato

Huslia

Kaltag

Ruby

Koyukuk

Upper Kobuk/Noatak Valley

Northwest Arctic Borough

Ambler

Shungnak

Kobuk

Upper Kuskokwim Valley

McGrath

Takotna

Nikolai

Telida

Chukchi Sea Coast

Northwest Arctic Borough

Point Hope

Shishmaref

Kivalina

Espenberg

Lower Kobuk/Noatak Valleys)

Northwest Arctic Borough

Noatak

Kiana

Red Dog Mine

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality

SITUATION REPORT

AIR QUALITY ADVISORY
Interior AK #2009-12

LOCATION(S) IMPACTED: Middle Tanana Valley, Upper Koyukuk Valley, Yukon Flats and Uplands, Central Interior, Deltana & Tanana Flats, Southeast Brooks Range, Upper Tanana and the Fortymile Country.

TIME/DATE OF UPDATE: Thursday, August 6, 5:00 PM.

VALID TIME: Valid August 6 at 5:00 PM until August 10 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Monday, August 10, 12:00 PM.

ADVISORY: Air Quality in Interior Alaska continues to be affected by several large fires burning across the central portion of the state. Scattered showers overnight and today have temporarily improved air quality conditions in some areas, but unfortunately this wasn't a widespread event. Communities near these fires will continue to experience periods of dense smoke and poor air quality conditions over the weekend.

- The Wood River 1 and Hardluck Creek Fires are causing periods of smoky conditions for Fairbanks, and may cause visibility issues along the Parks and Richardson Highways.
- Several fires south of the Tanana River are affecting air quality in Tanana, Lake Minchumina and Manley Hot Springs.
- The Crazy Mountain Complex of fires is very close to Circle, and is also causing poor air quality conditions in Fort Yukon and Central.
- Smoke from these fires, as well as larger fires such as the Railbelt Complex, Big Creek and Crazy Mountain Complex, will continue to affect most of Interior Alaska.

For all of these locations, air quality will predominantly be **moderate to unhealthy for sensitive groups**, with many areas reporting **very unhealthy** air quality. Throughout the weekend, conditions will fluctuate and may worsen in some areas, and air quality may become **hazardous** at times. The forecast for the Central Interior is for mostly cloudy skies and light and variable winds on Friday. Scattered showers and isolated thunderstorms are likely south of Fort Yukon. On Saturday, precipitation chances drop off some, and winds will again be light and from the west. Mostly cloudy skies and winds from the west/northwest are expected on Sunday.

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.

Hot, dry weather will 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.

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. 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>. 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 are 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 the Air Quality in Fairbanks, visit the Fairbanks North Star Borough at <http://co.fairbanks.ak.us/airquality/>.

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

NOTIFICATION LIST:

Middle Tanana Valley

Fairbanks NSB
Fairbanks
Ft Wainwright
Eielson AFB
College
Ester
North Pole
Moose Creek
Fox
Chatanika
Chena Hot Spgs
Pleasant Valley
Sourdough Camp
Two Rivers

Central Interior

Nenana
Anderson
Clear Air Station
Healy
Ferry
Four Mile Road
Tanana
Minto
Manley Hot Spgs
Rampart

Yukon Flats & Uplands

Fort Yukon
Venetie

Birch Creek

Beaver

Stevens Village

Chalkyitsik

Circle

Central

Twelvemile Summit

Circle Hot Springs

Eagle Summit

Upper Koyukuk Valley (219)

Allakaket

New Allakaket

Alatna

Hughes

Bettles

Evansville

Caribou Mtn

Gobblers Knob

Southeast Brooks Range (218)

Arctic Village

Wiseman

Coldfoot

Chandalar

DOT Camp

Iniakuk Lake

Deltana & Tanana Flats (223)

Salcha

Harding/Birch Lakes

Big Delta

Delta Junction

Ft Greely

Deltana

Dry Creek

Healy Lake

Dot Lake

Dot Lake Village

Upper Tanana Valley & Fortymile Country (224)

Alcan

Eagle

Eagle Village

Boundary

Chicken

Northway

Northway Village

Northway Junction

Tetlin

Tok

Tanacross

Eastern Alaska Range (226)

Mentasta Lake

Black Rapids

Donnelly Dome

Trims Camp

Eagle Trail

Mineral Lake

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Southeast AK #2009-02**

LOCATION(S) IMPACTED: Taiya Inlet/Klondike Highway, Haines Borough/Lynn Canal, Juneau Borough, Yakutat, Hoonah, Glacier Bay Salisbury Sound, Sitka, Admiralty Island, Wrangell, Kake, Klawock, Ketchikan, Hyder.

TIME/DATE OF UPDATE: Thursday, August 6, 6:00 PM.

VALID TIME: Valid August 6 at 6:00 PM until August 10 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Monday, August 10, 12:00 PM.

ADVISORY: Smoke and hazy conditions have been observed today in several communities across Southeast Alaska. Several fires in the Yukon Territory and British Columbia have been very active over the past week due to the warm and dry weather. Smoke and haze from these fires will likely continue to drift into Southeast Alaska throughout the weekend. Overall air quality will predominantly be **good to moderate**, with periods that may become **unhealthy for sensitive groups**.

Light winds are expected in Southeast Alaska on Friday and through the weekend. These light winds will keep smoke in the area, and terrain effects will influence local wind flow patterns and how the smoke disperses. It may also allow more smoke to drift into the region from Canada. The rest of the forecast for Southeast Alaska calls for mostly cloudy skies, and a chance for showers in the northern zones.

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. These fires are experiencing hot, dry weather that can lead to extensive fire activity. This dramatically increases smoke production, and thus causing the worst visibilities to occur in the late afternoon and early evening hours.

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 are 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:

Cape Fairweather to

Cape Suckling (017)

City & Borough of Yakutat
Yakutat

Taiya Inlet/Klondike

Hiway (018)

Skagway

Haines Boro/Lynn Canal

(019)

Haines Borough

Haines

Klukwan

Lutak

Covenant Life

Mosquito Lake

Mud Bay

Glacier Bay (020)

Gustavus

Excursion Inlet

Eastern Chichagof Island (021)

Hoonah

Game Creek

Tenakee Springs

Whitestone Logging

Camp

Salisbury Sound to Cape

Fairweather (022)

Elfin Cove

Pelican

Cape Decision to

Salisbury Sound Coast

(023)

City & Borough of Sitka

Sitka

Port Alexander

Point Baker

Port Protection

E Barnof Is/S Admiralty Is

(024)

Angoon

Cube Cove

Juneau Borough/North

Admiralty Island (025)

City & Borough of Juneau

Juneau

Douglas

Inner Channels

from Kupreanof

Is to Etolin Is (026)

Petersburg

Wrangell

Kake

Thom's Place

Hobart Bay

Kupreanof

Dixon Entrance

to Cape Decision

(027)

Craig

Klawock

Hydaburg

Edna Bay

Naukati Bay

Southern Inner Channels (028)

Ketchikan Gateway Borough

Ketchikan

Metlakatla

Saxman

Coffman Cove

Whale Pass

Thorne Bay

Hollis

Kasaan

Meyer's Chuck

Misty Fjords (029)

Hyder

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

SITUATION REPORT

**AIR QUALITY ADVISORY
Western Interior AK #2009-3**

LOCATION(S) IMPACTED: Kobuk Valley and Noatak Valley.

TIME/DATE OF UPDATE: Thursday, August 6, 6:00 PM.

VALID TIME: Valid August 6 at 6:00 PM until August 10 at 12:00 PM.

TIME/DATE OF THE NEXT REPORT: Monday, August 10, 12:00 PM.

ADVISORY: Several large fires in Interior Alaska are affecting air quality across the State. Smoke is still present in the Western Interior and will continue into Friday. Overall air quality for the Western Interior will be predominantly **good to moderate**, although some locations are approaching **unhealthy** air quality.

The forecast for the Kobuk and Noatak Valleys is for mostly cloudy skies and isolated showers on Friday. Winds will be light and out of the northwest. For Saturday and Sunday, expect mostly cloudy skies, and winds from the north/northwest. This may prevent more smoke from moving into the region from the Interior.

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.

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:

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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:

Upper Kobuk/Noatak Valley
Northwest Arctic Borough
Ambler
Shungnak

Kobuk
Lower Kobuk/Noatak Valleys)
Northwest Arctic Borough
Noatak

Kiana
Red Dog Mine