

Alaska Department of Environmental Conservation
Division of Air Quality
Curtailement Details



AIR QUALITY ALERT STAGES

Air Quality Advisory

The department will declare an air quality advisory – when the 24-hr rolling average monitored concentration has reached, or are expected to reach, 15 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) or above, triggering voluntary curtailement. The Advisory announcement will list the expected effective and expiration times unless renewed.

- All devices may operate as normal, however the department requests that those with alternate heating sources voluntarily comply.

Stage 1 Alert

During a Stage 1 Alert – when the 24-hr rolling average monitored concentration is 20 micrograms per cubic meter or above, use of all solid-fuel burning devices is suspended until the Alert is cancelled or expired. The Alert announcement will list the expected effective and expiration times unless renewed. The only solid fuel-fired devices that are allowed to operate during a Stage 1 Alert are:

- Devices with a current DEC Stage 1 waiver
- Devices with a current DEC NOASH waiver
- Exceptions listed in the alert announcement

Stage 2 Alert

During a Stage 2 Alert – when the 24-hr rolling average monitored concentration is 30 micrograms per cubic meter or above, use of all solid-fuel burning devices is suspended until the Alert is cancelled or expired. The Alert announcement will list the expected effective and expiration times unless renewed. The only solid fuel-fired devices that are allowed to operate during a Stage 2 Alert are:

- Devices with a current DEC NOASH waiver
- Exceptions listed in the alert announcement

Alert Information

To view active alerts visit our webpage: <http://dec.alaska.gov/Applications/Air/airtoolsweb/Advisories/>

Sign up to receive alerts

Go to: <https://fnsb.alertmedia.com/public> to sign up for text or email notifications. Sign up will be verified prior to waiver issuance unless there is an inability to comply, if so, call Steven Hoke at (907)451-5172. Alert notices will have an effective date and time as well as an expiration declaring

the alerts active timeframe. For additional information regarding regulations, and air quality in general, visit Air Online Services (AOS) on the Division of Air Quality webpage to sign up for this additional information.

Waivers and Exceptions

Waivers may be obtained for those that have need of supplemental heat or are using a solid fuel burning device as the sole source of heat. There are two waiver types; No Other Adequate Source of Heat (NOASH) and Stage 1 waivers.

During a curtailment, NOASH waivers may operate during Stage 1 and Stage 2. Stage 1 waivers may only operate during Stage 1 air alerts and may not operate during a Stage 2 air alert.

NOTE: Operation of all devices, regardless of waiver, are still subject to 18 AAC 50.075 – visible emission standards. Solid fuel-fired devices should be able to meet opacity limits as listed in the table below if burning dry wood, which is required under 18 AAC 50.076 (b)(1). Failure to meet visible emission standards may invalidate future waiver applications.

AREA	OPACITY LIMIT DURING PM_{2.5} ADVISORIES / EPISODES CALLED BY DEC OR A LOCAL AIR PROGRAM	OPACITY LIMIT YEAR ROUND
ENSB PM_{2.5} Nonattainment Area Map (PDF)	During PM2.5 Episodes: Solid fuel-fired heating devices may not operate without a waiver from the Department or local air quality program. During PM2.5 Advisories: 20% (with the exception of 15 minutes after the initial startup when the opacity must be less than 50%)	No Black Smoke

For more information on Solid Fuel-Fired Heating Device Visible Emission and Opacity Limits see the webpage linked here: <https://dec.alaska.gov/air/burnwise/opacity/>

Exceptions to Air Quality Alerts

If there was a power outage within the nonattainment area, the Alert could indicate that those affected by the outage would be exempted from the curtailment. Exceptions are intended to be specific to the Alert announced at that specific date and time.

Burnwise

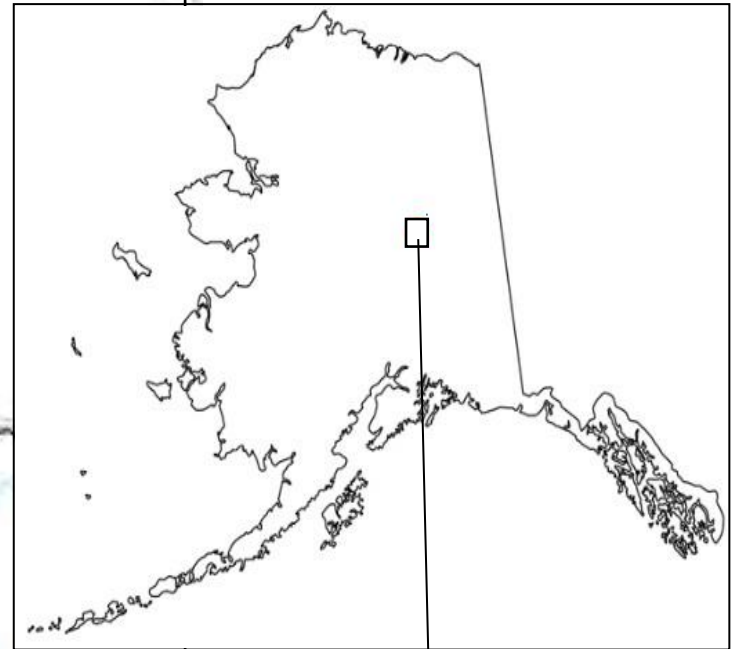
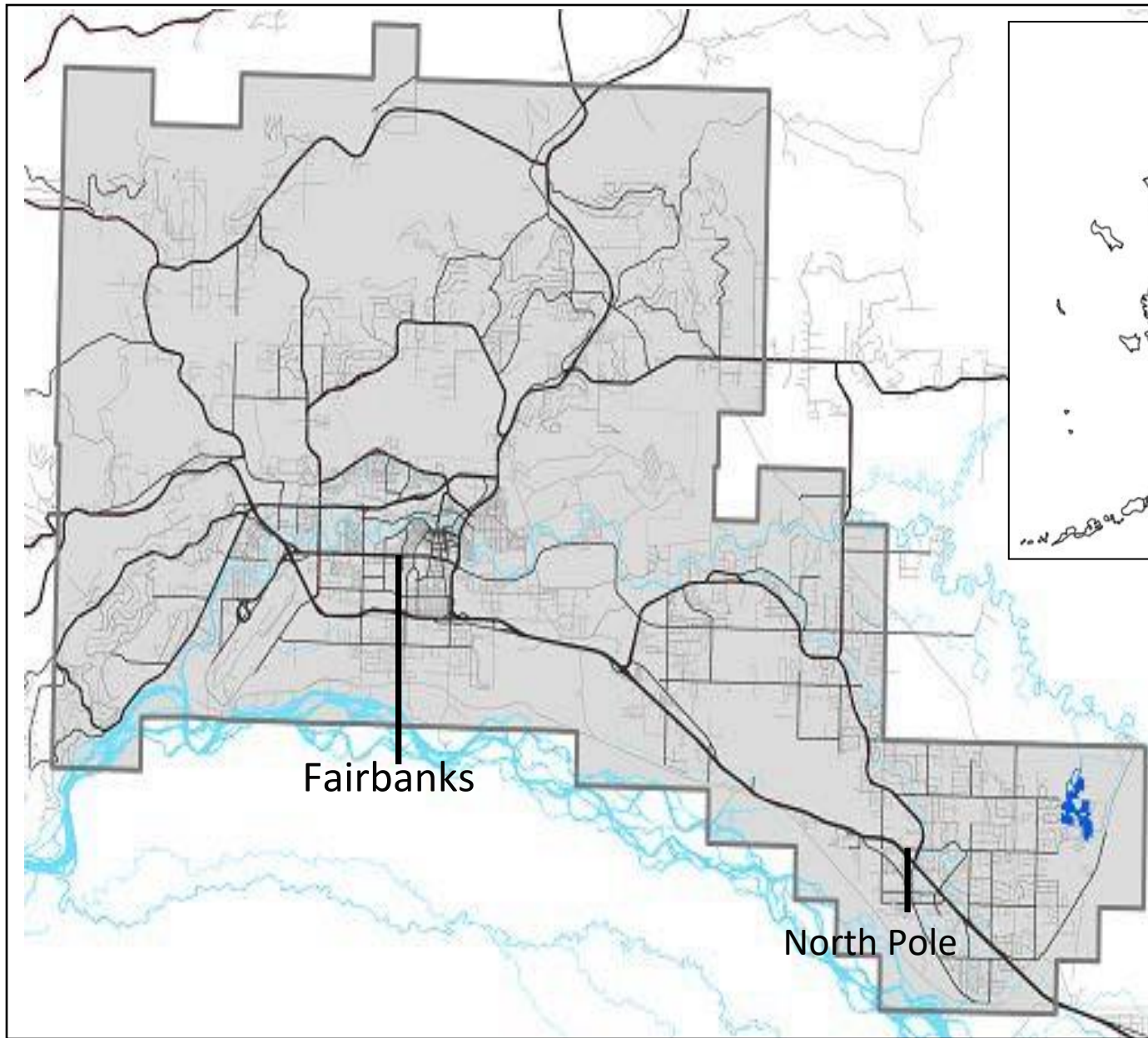
Learn more about wood moisture, health effects and best burning practices online at: <http://dec.alaska.gov/air/burnwise/>

Link to Interactive Web Map

<http://www.arcgis.com/home/webmap/viewer.html?webmap=40e054cc6ea84fdaa0e16018a4379697>

Link to Waiver Applications

<https://dec.alaska.gov/air/anpms/communities/fbks-pm2-5-nonattainment-curtailment-waivers-and-exceptions/>



Devices installed in the shaded area are subject to curtailment.