

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 <a href="#">DURING PM<sub>2.5</sub> ADVISORIES / EPISODES</a> CALLED BY DEC OR A LOCAL AIR PROGRAM	OPACITY LIMIT YEAR ROUND
<a href="#">ENSB PM<sub>2.5</sub> Nonattainment Area Map (PDF)</a>	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/>

Alaska Department of Environmental Conservation  
Division of Air Quality  
Owner Information Sheet



The following information is applicable only to those devices sold for installation within the Fairbanks Nonattainment area.

## Device Registration

In accordance with 18 AAC 50.077(h):

As applicable, the owner, vendor, or dealer of a wood-fired heating device shall register the device, using a form or method provided by the department, in the following circumstances

- (1) upon the sale or conveyance of a device...

Your devices **must be registered** at the time of purchase. This should be done by the vendor either using a paper form or the online registration form link shown below.

<https://dec.alaska.gov/air/anpms/communities/device-registration/>

## Professional Installation

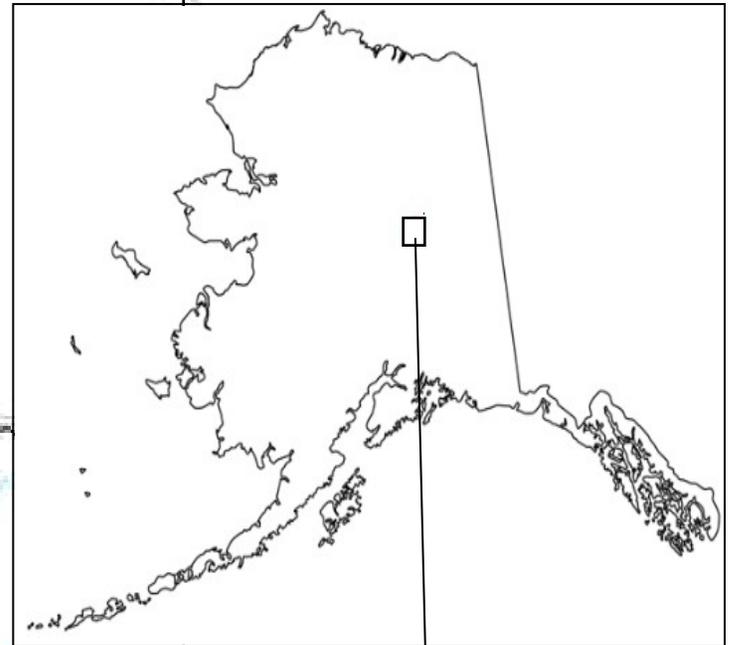
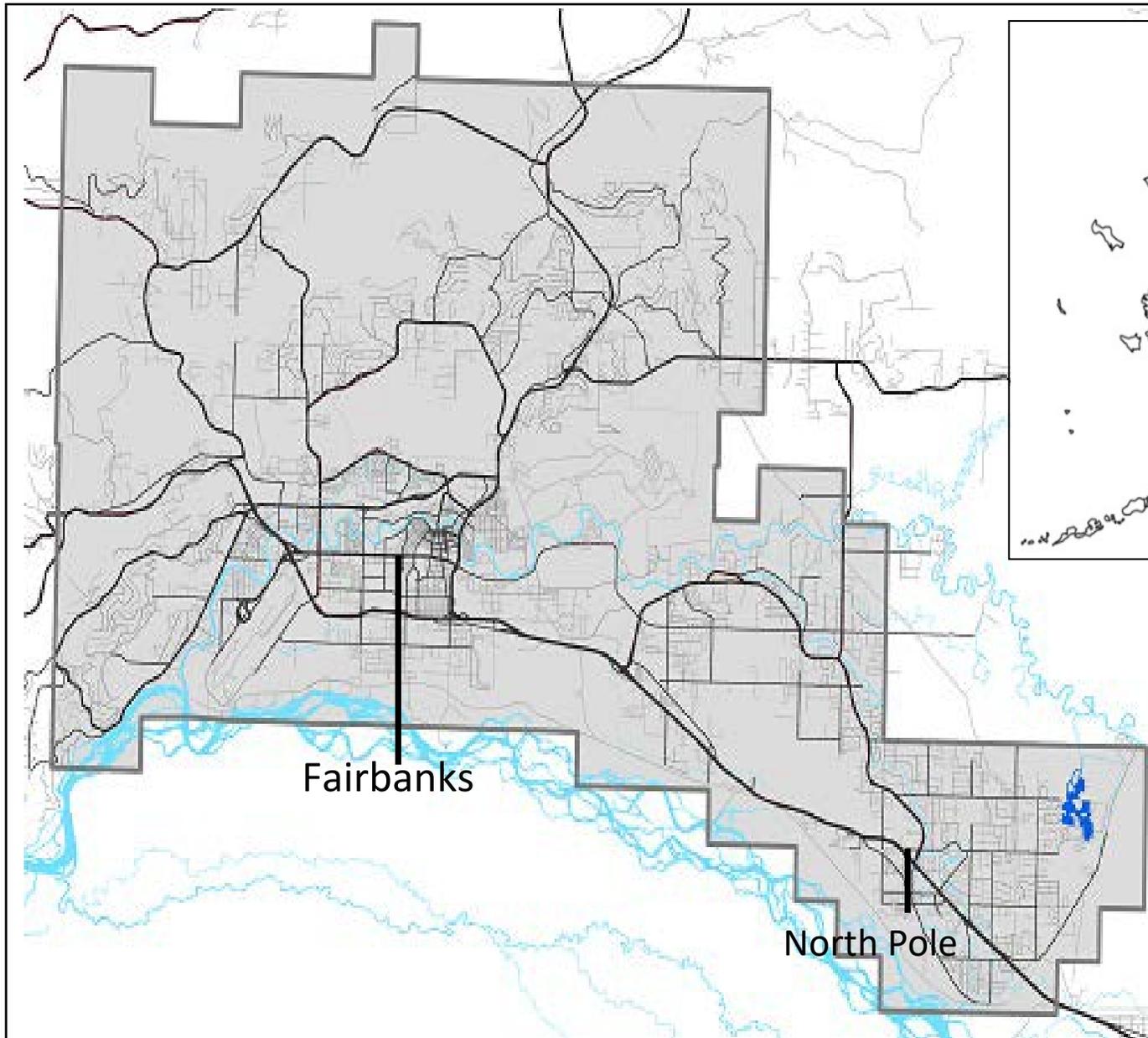
In accordance with 18 AAC 50.077(i):

The owner or operator of a wood-fired heating device shall ensure that a device and any retrofit control devices are properly sized and professionally installed. Following each installation of a wood-fired heating device or retrofit control device in an area identified in 18 AAC 50.015(b)(3), the installer shall provide confirmation to the department that the device was installed correctly on a form provided by the department.

Your newly purchased wood-fired heating device **must be properly sized and installed by a certified professional**. Proper installation and sizing are vital to efficient and clean operation of your new device.

Please visit <https://dec.alaska.gov/air/burnwise/standards/#Vendors> for a list of certified installers.

A “properly sized” wood fire heating device means a device that is appropriate to suit the needs of the space you are heating. This means that the device is neither too large nor too small for space it is being used to heat. Having a properly sized appliance will ensure efficient use and reduce the chances of overheating or underheating. Be sure to review the owner’s manual and device specifications to ensure proper device sizing.



Devices installed in the shaded area are subject to curtailment and increased regulatory requirements.