FNSB Air Quality Improvement Program NOTICE OF RESTRICTIONS FOR SOLID FUEL BURNING APPLIANCES



(Revised 8-17-17)

In December 2009, the EPA designated a portion of the Fairbanks North Star Borough as a Nonattainment area for fine particulate matter (PM_{2.5}). In order to reduce emissions and clean up our air the Borough has adopted Air Quality ordinances, which have created guidelines and restrictions on the installation and operation of solid fuel burning appliances (SFBAs). **Fines for violating these provisions range from \$500 - \$1,000**. **DISCLAIMER**: Below is a general summary that is not inclusive of all Air Quality regulations and only references Code 21.28.020, 21.28.030, and 21.28.050. A complete copy of Borough Air Quality regulations can found online at http://www.codepublishing.com/AK/FairbanksNorthStarBorough/#!/FNSBC21/FNSBC2128.html#21.28

Borough Wide Regulations

- * <u>Prohibited Fuels</u> Only clean wood that is **20% MOISTURE CONTENT OR LESS** is allowed to be burned in a wood burning appliance. Clean wood is defined as natural wood that has not been painted, varnished or coated with a similar material, has not been treated with preservatives, and does not contain resins or glues as in plywood or other composited wood products. There are many other prohibited fuels (e.g. garbage, glossy or colored paper, etc). Code reference 21.28.030(G).
- * Fine Particulate (PM_{2.5}) Emissions crossing property lines No person shall cause or permit particulate emissions from a nonmobile source to impact the resident(s) of a neighboring property through the creation of an emissions plume that: crosses property lines, is visible, and is $25\mu g/m^3$ greater than the surrounding background. Code reference 21.28.030(D).
- * <u>Hydronic heater installation requirements</u> There are setback requirements for the installation of hydronic heaters to limit how close the appliance is to property lines, as well as schools, clinics, hospitals, and senior housing units. Code reference 21.28.030(F).

Nonattainment Area Regulations

* <u>Borough Listed SFBAs</u> - Only Borough listed SFBAs can be installed, which are as follows: EPA certified wood and pellet stoves with an emissions rating of 2.5 g/hr or less, EPA certified hydronic heaters with an emissions rating of 0.10 lbs/million btu or less, masonry heaters, cook stoves, and fireplaces. Code reference 21.28.020.

Air Quality Control Zone Regulations

* <u>Air Alert Burn Restrictions</u> – Between Oct. 1st and March 31st, the Borough's Air Quality division may call a Stage 1 or Stage 2 alert depending on how bad the air quality is expected to get. During a Stage 1 alert, burning is only permitted by those that have received a Stage 1 Waiver or No Other Adequate Source of Heat (NOASH) Waiver. During a Stage 2 air alert, all burning of solid fuels is prohibited unless a NOASH Waiver has been issued. To get a Stage 1 or NOASH waiver, the appliance must be Borough listed, along with wood burning training and proper wood storage

requirements. The waiver documents can be found online at AQFairbanks.com or in the Air Quality Office. Code reference 21.28.050 and 21.28.060.

Air Quality Control Zone Regulations Cont.

- * <u>Visible Emissions Standards</u> Visible emissions from a SFBA may not have an opacity greater than 20 percent for a period more than 10 minutes in any hour except during initial startup, when the opacity must be less than 50 percent for no longer than 40 minutes. Code reference 21.28.030(C).
- * <u>Installation of SFBAs in New Construction</u> Beginning January 1, 2018, the installation of a SFBA in new construction will require a permit. Only Borough listed SFBAs can be installed, and they must be properly installed by a Borough listed installer. Occupants of the new construction will be required to take training on proper wood burning techniques, as well as demonstrate the availability of proper wood storage. Code reference 21.28.030(E).

Please note: The installation of SFBAs may not be appropriate in some areas due to terrain, meteorological conditions, or other relevant conditions that render the operation of the appliance a nuisance. Even when an appliance is otherwise legally installed and operated in accordance with the manufacturer's specifications, it is your responsibility to operate any SFBA in a manner that does not create a nuisance or health hazard.

Appliance Purchased (please check one):	is Borough listed	
	is not Borough listed*	
By signing below I confirm that I have received and read the above notice.		
Signature:		Date:
Printed Name:		
Mailing Address:		
Vendor Name (if applicable):		

*Non Borough listed SFBAs may not be installed within the Borough's $PM_{2.5}$ nonattainment area. If a non-Borough listed appliance is sold, an Affidavit of Compliance must be completed and submitted to the Borough Air Quality office within 30 days of the sale that states the appliance will not be installed within the Borough's $PM_{2.5}$ nonattainment area. The form can be found online at AQFairbanks.com or in the Air Quality office.

This completed form must be submitted to the FNSB Air Quality Office at 3175 Peger Road, Fairbanks, AK 99709 within 30 days of the sale.

For more information visit AQFairbanks.com or call the Borough Air Quality office at (907) 459-1234. Also be sure to follow us on FaceBook at FaceBook.com/AQFairbanks.

The Fairbanks North Star Borough is subject to the Alaska Public Records Act, AS 40.25 et seq. and this document may be subject to public disclosure under state law.