



January 28, 2020

Subject: Small Area Source of PM2.5 – Used Oil Burner information request

On January 8, 2020, a new state regulation, 18 AAC 50.078(c), became effective that may affect your business or operations. The Alaska Department of Environmental Conservation's (ADEC) regulations were established to address fine particulate matter (PM2.5) air pollution in a portion of the Fairbanks North Star Borough that is designated by the Environmental Protection Agency as a serious PM2.5 non-attainment area (map enclosed). This portion of the FNSB does not meet the federal health based standards for PM2.5, which comes from wood smoke and other combustion sources. PM2.5 may cause health problems when people are exposed to harmful concentrations. High PM2.5 concentrations contribute to increased respiratory symptoms (such as irritation of the airways, coughing, or difficulty breathing), decreased lung function, aggravated asthma, development of chronic bronchitis, irregular heartbeat, nonfatal heart attacks, and premature death in people with heart or lung disease. Controlling particulate matter will benefit public health in the community.

Because used oil burners are a source of particulate matter and other air pollutants, ADEC is federally required to further assess the impacts of these devices and evaluate whether additional control of emissions is technically and economically feasible. The new state regulation only requires that all owners or operators of commercial used oil burner within the non-attainment area **provide to ADEC a one-time submittal of the information outlined below for each device operated using the enclosed form. The information for existing used oil burners is due to ADEC by March 15, 2020 or for future new used oil burners, the information is due within 60 days of commencing operations.**

Operators of commercial used oil burners shall submit the following:

1. name and location of the device operation
2. the purpose of the burner, for example, space heating or boiler operation
3. number and type of burners
4. type of fuel used, for example lubricants, heat transfer fluids, solvents, cleaning agents, mixtures, or cooking oil
5. fuel source, for example, if it is purchased, self-generated, or disposal
6. fuel quality, including whether it is raw or processed and, if processed whether it is processed to specifications
7. amount of fuel, measured in gallons, consumed by each burner in an hour
8. daily operating hours for each burner

9. applicable emission limits and regulatory authorities that govern their operation
10. manufacturer and model of each burner
11. manufacturer and model of any installed pollution control devices designed to control or limit particulates, smoke, or odor

Please submit the above listed information on the enclosed form to:

Department of Environmental Conservation  
Division of Air Quality  
610 University Avenue  
Fairbanks, Alaska 99709  
Attn: Steven Hoke

If your operation does not include use of the device listed in this letter please respond with an affirmation declaring that no such device is used. **There are no other new requirements for you or your business beyond the submittal of this information to ADEC.**

Further information on the Fairbanks North Star Borough air quality non-attainment area and these requirements can be found on the Division of Air Quality's websites listed below.

**Fairbanks North Star Borough air quality non-attainment area information**

<https://dec.alaska.gov/air/anpms/communities/fbks-particulate-matter/>

**Small Source information and requirements**

<https://dec.alaska.gov/air/anpms/communities/fbks-pm2-5-small-source-information-requirements/>

If you would like more information, please contact Steven Hoke at (907) 451-5172 or via email at [steven.hoke@alaska.gov](mailto:steven.hoke@alaska.gov). Alternately, you may contact Molly Birnbaum at (907) 269-4913 or via email at [molly.birnbaum@alaska.gov](mailto:molly.birnbaum@alaska.gov).

Sincerely,



Steven Hoke  
Environmental Program Specialist

cc: Alice Edwards, ADEC/Air Quality Director, Juneau  
Cindy Heil, ADEC/Non-Point Mobile Source, Anchorage  
Molly Birnbaum, ADEC/Non-Point Mobile Source, Anchorage



**Used Oil Burner Reportable Information**  
**(State Regulation 18 AAC 50.078(c))**  
For reporting multiple devices copy form as necessary

**Business Name:** \_\_\_\_\_

**Address of Device Operation:** \_\_\_\_\_

**Device Manufacturer & Model:** \_\_\_\_\_

**Purpose of Device:** \_\_\_\_\_

**Type of Fuel Used:** \_\_\_\_\_

**Fuel Source:** \_\_\_\_\_

**Fuel Quality** \_\_\_\_\_

GAL/HR

**Amount of Fuel Used:** \_\_\_\_\_

**Device Daily Operating Hours:** \_\_\_\_\_

**Applicable Emission Limits  
and Regulatory Authorities  
Governing Operations:** \_\_\_\_\_

**Make & Model of Pollution  
Control Equipment** \_\_\_\_\_

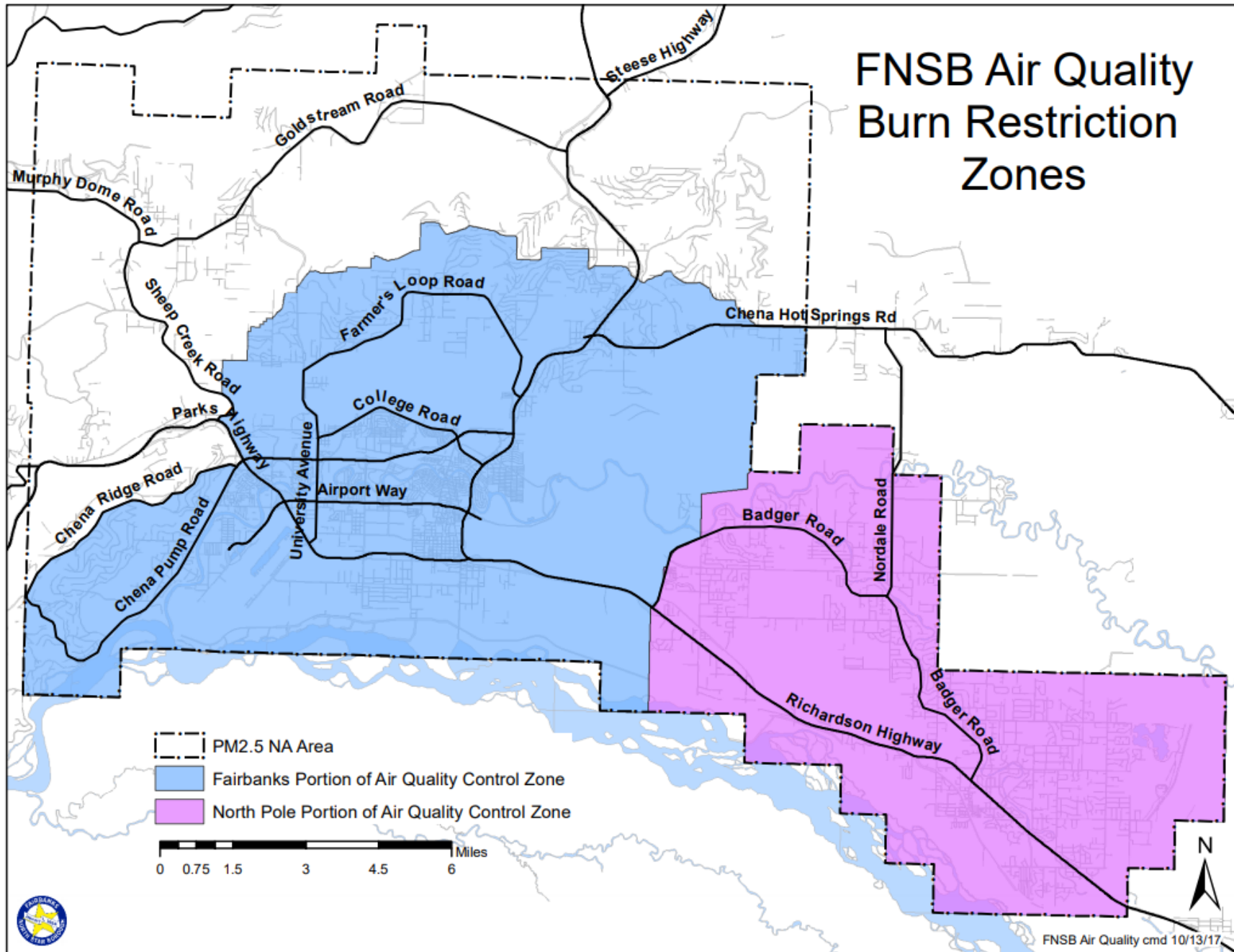
**IF YOUR FACILITY/OPERATIONS DOES NOT INCLUDE A DEVICE AS LISTED ABOVE  
CHECK THE BOX BELOW.**

**NO USED OIL BURNING DEVICE AS DESCRIBED ABOVE IS PRESENT OR IN OPERATION**

**Responsible Official Signature**

**Print:** \_\_\_\_\_

**Sign:** \_\_\_\_\_ **Date:** \_\_\_\_\_



Note: 18 AAC 50.078(c) requirements apply to devices within the PM2.5 NA Area boundary.