



January 28, 2020

Subject: Small Area Source of PM2.5 – Incinerator 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 incinerators 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 using commercial incinerators within the non-attainment area **provide to ADEC a one-time submittal of the information outlined below for each incineration device operated using the enclosed form. The information for existing incinerators is due to ADEC by March 15, 2020 or for future new incinerators, the information is due within 60 days of commencing operations.**

Operators of commercial incinerators shall submit the following information:

1. name and location of the operation
2. source type, including medical, liquid, or solid waste
3. process description
4. type of fuel used
5. throughput of waste stream, expressed in pounds per hour
6. daily operating hours
7. applicable emission limits and regulatory authorities that govern their operation
8. manufacturer and model of any installed pollution control devices designed to reduce particulates, kitchen 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



**Incinerator 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:** \_\_\_\_\_

**Source Type:** \_\_\_\_\_

**Process Description:** \_\_\_\_\_

**Throughput of Waste Stream:** \_\_\_\_\_ LBS/HR

**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 AN INCINERATION DEVICE  
AS LISTED ABOVE CHECK THE BOX BELOW.**

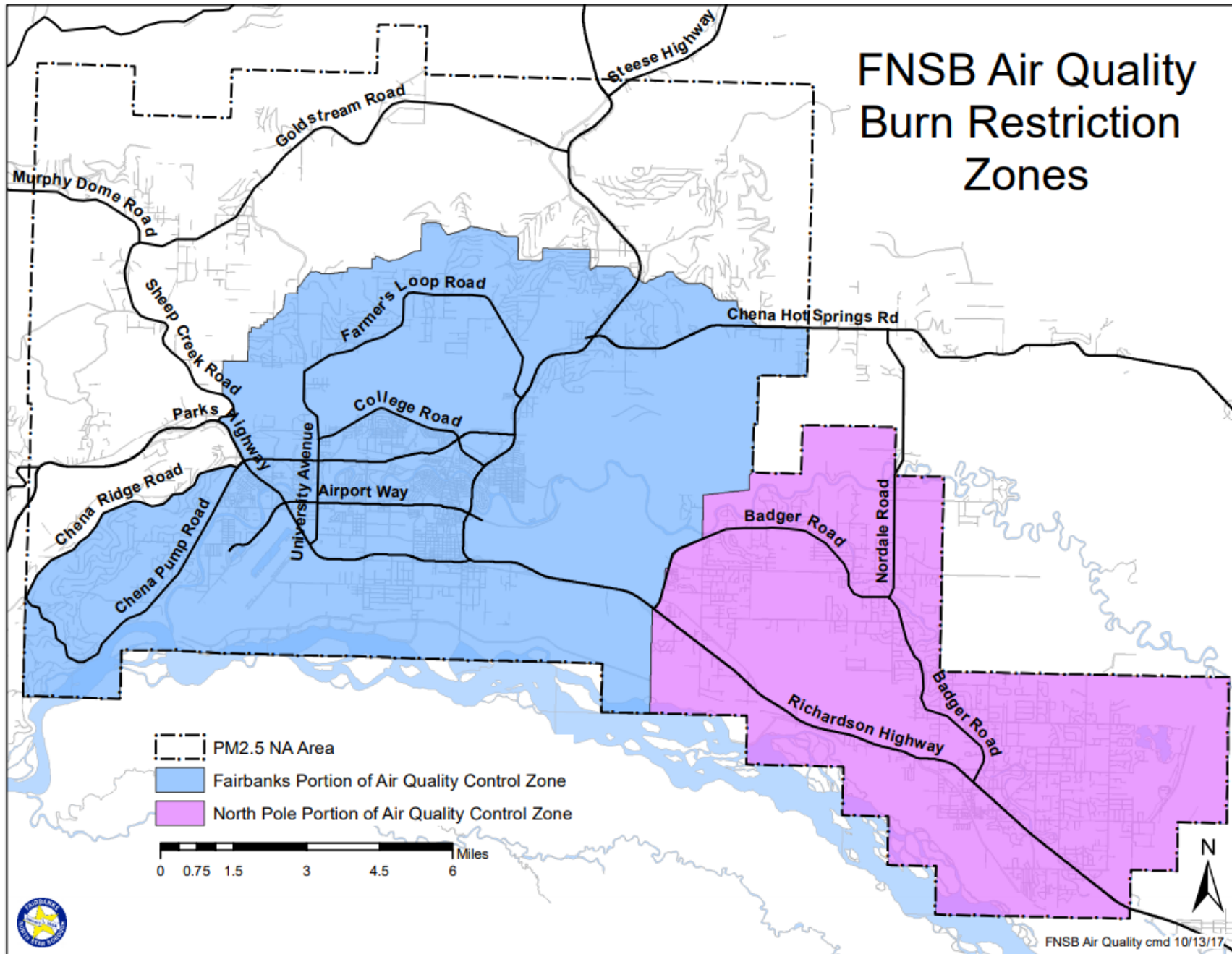
**NO INCINERATION DEVICE AS DESCRIBED ABOVE IS PRESENT OR IN  
OPERATION**

**Responsible Official Signature**

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

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

Submit this form to the Department of Environmental Conservation Division of Air Quality, 610 University Avenue, Fairbanks, AK 99709 Attention Steven Hoke. Alternatively it may be submitted by email to [steven.hoke@alaska.gov](mailto:steven.hoke@alaska.gov). For more information call (907)451-5172.



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