



January 28, 2020

Subject: Small Area Source of PM2.5 - Charbroiler 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 (ADEC) regulations were established to address fine particulate matter (PM2.5) air pollution in a portion of the Fairbanks North Star Borough (FNSB) 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 charbroilers 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 requires that all owners or operators of commercial charbroilers within the non-attainment area **provide to ADEC a one-time submittal of the information outlined below for each charbroiler device operated using the enclosed form. The information for existing charbroilers is due to ADEC by March 15, 2020 or for future new charbroilers, the information is due within 60 days of commencing operations.**

Operators of commercial charbroilers shall submit the following information:

1. Name and location of the commercial cooking operation
2. Operation type – chain driven or underfired
3. Number and size, in cooking surface square feet, of each charbroiler at the operation
4. Type of fuel used to heat each charbroiler
5. Type and quantity, in pounds, of meat cooked on the each charbroiler on a weekly basis for the previous 12-month period
6. Daily operating hours of the commercial cooking operation
7. Air flow rate, measured in cubic feet per minute, of hood or exhaust system serving each charbroiler

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 return the attached form with the appropriate box checked. **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 have questions or would like more information, please contact Steven Hoke at (907) 451-5172 or via email at steven.hoke@alaska.gov. Alternately, you may contact Molly Birnbaum at (907) 269-4913 or via email at 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



Charbroiler 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: _____

Size/rating of device: _____

Type of fuel used in device: _____

**Type and quantity, in pounds,
of meat cooked** _____ **LBS/Day**

Device daily operating hours: _____

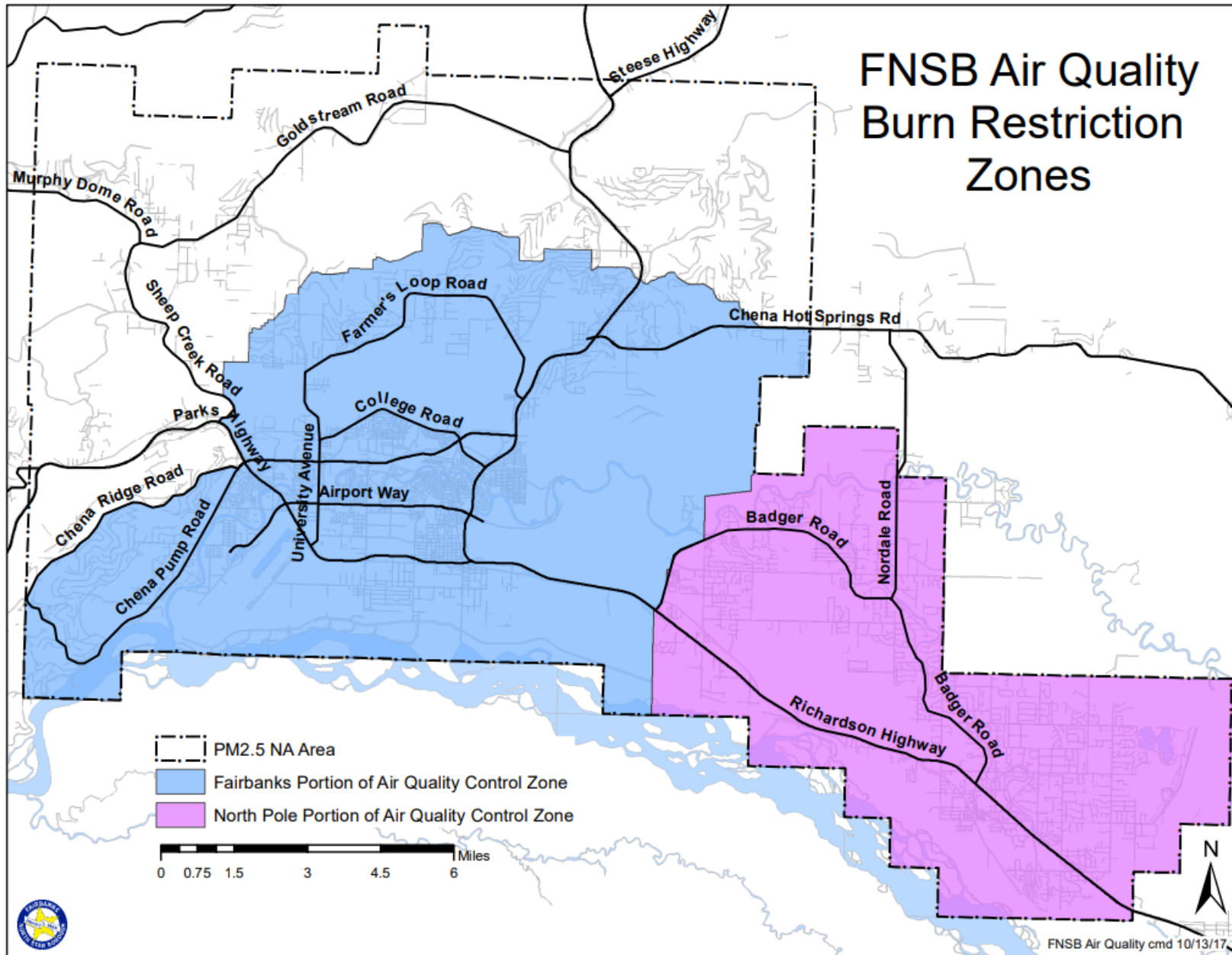
Device air flow rate: _____

IF YOUR FACILITY/OPERATION DOES NOT HAVE A CHARBROILER DEVICE AS LISTED ABOVE CHECK THE BOX BELOW.

NO CHARBROILER DEVICE AS DESCRIBED ABOVE IS PRESENT

Name: _____ **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. For more information call (907)451-5172.



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