

# Summary of Regulations

## Summary of Proposed Regulations

### **18 AAC 50.025 - Visibility and other special protection areas**

Establish three “air quality control zones” in the Fairbanks PM<sub>2.5</sub> Nonattainment Area: Goldstream, Fairbanks, and North Pole. Allows DEC to localize control efforts to areas most impacted by elevated PM<sub>2.5</sub> levels.

### **18 AAC 50.030 – State air quality plan**

Incorporate proposed SIP amendments into regulation (see reverse page)

### **18 AAC 50.075 – Solid fuel-fired heating device visible emission standards**

Lower visible emission limits during air quality advisories to 20%, include all solid-fuel fired heating devices. Clarifies regulations concerning coal.

### **18 AAC 50.075 - Solid fuel-fired heating device visible emission standards**

Allow DEC discretion to prohibit operation of solid fuel-fired heating devices during air quality episodes. Description of curtailment actions are found in SIP.

### **18 AAC 50.076 – Solid fuel-fired heating device fuel requirements; registration of commercial wood sellers.**

Add materials to the list of prohibited burn items so that list matches FNSB list. Add: tires, construction and demolition debris including plywood and particleboard, flooring products, and manure.

### **18 AAC 50.077 - 18 AAC 50.077. Standards for wood-fired heating devices.**

Clarify regulation to prohibit the reinstallation of wood-fired hydronic heaters and woodstoves that do not meet emissions standards inside the nonattainment area.





## Summary of Proposed Air Quality Plan (SIP) Amendments

### Section III.D.5.03 – Non-Attainment Area Boundary and Design Episode Selection

Amendment describes boundaries of three air quality control zones in the nonattainment area: Goldstream, Fairbanks, and North Pole. FNSB has defined an air quality control zone that encompasses the proposed Fairbanks and North Pole areas. Defining areas allows DEC to target curtailment efforts.

Appendix to III.D.5.03 adds an attachment “B” that contains a detailed description of the FNSB air quality control zone.

### Section III.D.5.07 – Control Strategies

Incorporates lowered opacity limit during advisories and describes new EPA woodstove and hydronic heater emission standards.

**Section III.D.5.11 – Emergency Episode Plan** Describes the emergency episode plan burn curtailment discretion proposed in 18 AAC 50.075. It gives DEC discretion to call burn curtailments during air quality episodes. Episode levels are defined and match the FNSB thresholds. Curtailments would apply to all solid fuel fired heating devices unless exempted in the episode announcement. General exceptions to curtailment are the same as the local program and include when there is a power outage, during periods of extreme cold temperatures (-15 ° F at Airport), and when an individual has received a temporary waiver. Episode announcements must include: the affected areas, exceptions based on the type of device used, and exceptions based on device emission levels. This allows DEC discretion and flexibility to customize the announcement based on the severity of the episode.

**Note:** This amendment will have no impact on local episode ordinances or enforcement. FNSB will continue to enforce local ordinances. DEC would only issue and enforce episode announcements and curtailments if the FNSB is unable to continue the local episode program.

Episode Type	24-hour Average PM <sub>2.5</sub> Concentration (micrograms per cubic meter)
<u>Air Advisory</u>	<u>25</u>
Air Alert <u>Episode</u>	35. <del>5</del>
Air Warning <u>Episode</u>	55. <del>5</del>
Air Emergency <u>Episode</u>	150.5

