



Open House: Air Quality Regulations & Plan

Alex Edwards, DEC Environmental Program Specialist

July 12-13, 2016



Background Information and Update

- Moderate Area Air Quality Plan (SIP):
 - Submitted to EPA January 2015
 - EPA found SIP complete
 - EPA currently reviewing SIP for approval or disapproval
- Area Progress
 - Area did not meet attainment deadline, December 31, 2015
 - EPA will redesignate area as serious
- Serious Area SIP
 - New serious SIP will be required
 - Due 18 months after redesignation
 - DEC currently developing serious SIP



Proposed Regulations – Purpose and Impact

- Incorporate Local Measures into SIP
 - FNSB has implemented new measures since SIP submittal
 - DEC must adopt measures into SIP for EPA review and credit
 - Required for modelling impacts of measures for Serious SIP
- Measures would become enforceable by DEC
 - DEC will only enforce if FNSB is unable
 - Current FNSB program and enforcement unaffected by proposed regulations and SIP amendments



Proposed Regulations – Summary

Note: Important to look at Regulations and SIP together

- Air Quality Zones
- Lower Opacity Limit **and treat wood and coal consistently**
- Burn Curtailment Discretion
- Additional Prohibited Burn Materials
- Prohibit Reinstallation of Devices

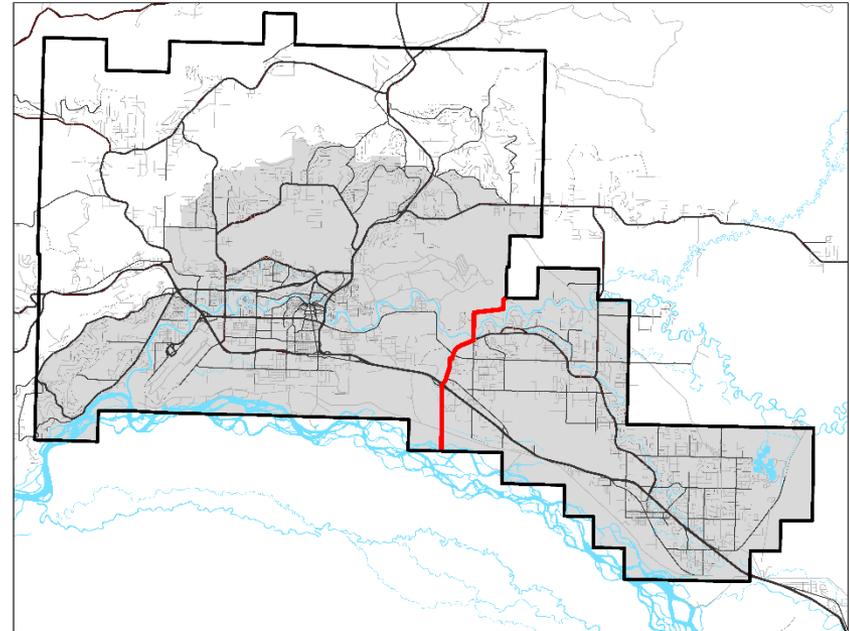


Air Quality Zones

18 AAC 50.025 - Visibility and other special protection areas

SIP III.D.5.03 – Nonattainment Area Boundary and Design Day Selection

- Establishes Three Zones (Allows Targeted Curtailments)
 - Goldstream
 - Fairbanks
 - North Pole
- FNSB Measure Comparison
 - FNSB Air Quality Zone
 - Targeted Burn Curtailments, Measures





Lower Opacity Limit

18 AAC 50.075 - Wood-fired heating device visible emission standards
SIP III.D.5.07 – Control Strategies

- Lowers Opacity Limit for Solid-Fuel Fired Devices (during advisories)
 - Previously 50% - Wood devices only
 - Proposed 20% - All solid-fuel fired heating devices
 - Resolves inconsistency in regulations concerning coal devices

- FNSB Measure Comparison
 - 8.21.025(C) – Visible Emission Standard (Air Quality Control Zone)
 - 20% for all non-mobile sources



Burn Curtailment Discretion

18 AAC 50.075 - Wood-fired heating device visible emission standards
SIP III.D.5.11 – Emergency Episode Plan

- Gives DEC discretion to call burn curtailments (during episodes)
 - Matches local ordinances and exceptions
 - Exceptions: Power outages, cold temperatures (-15 ° F), individual waivers
 - Announcement must include
 - Areas
 - Exceptions based on device class
 - Exceptions based on device emission levels
- FNSB Measure Comparison
 - 8.21.040 - Forecasting exceedances and restrictions in the air quality control zone during an alert.
 - Multi-stage curtailment program with exceptions

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



Prohibited Burn Materials List

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

- Adds materials to existing DEC list to match FNSB list
 - Tires,
 - Construction and demolition debris,
 - Plywood, particleboard,
 - Flooring products,
 - Manure

- FNSB Measure Comparison
 - 8.21.025(F) – Prohibited Fuels
 - DEC proposed list matches FNSB list



Prohibit Device Reinstallation

18 AAC 50.077 - Standards for wood-fired heating devices

- Prohibits reinstallation of devices that do not meet emission standards
- Clarifies existing regulation
- FNSB Measure Comparison
 - Prohibits installation of unlisted devices
 - FNSB listed devices meet state emission standards



Public Review Process

- Proposed regulations and air quality plan released for public comment June 2, 2016
- Public Comment period closes July 28, 2016
- Several different ways to comment
 - Written comments can be submitted online, by email, fax, or mail
 - Oral comments can be made at public hearings
- DEC will review and consider the comments received, make adjustments if necessary, then adopt and transmit the amendments to EPA



Public Hearings

Thursday July 14th

Fairbanks

FNSB Assembly Chambers, 809 Pioneer Road

Daytime: 11:30 – 1:30

Evening: 5:00 – 7:00

Anchorage

555 Cordova Street
1st Floor Conference Room

Daytime: 11:30-1:30

Juneau

410 Willoughby Ave.
2nd Floor Conference Room

Daytime: 11:30-1:30



Open House

- Representatives are available to discuss
 - Public Process
 - Proposed Regulations and SIP Amendments
 - Written questions and comments can be submitted either on cards or at computer stations available for your use.



Questions?

- Please either see staff at open house tables;
 - Submit written questions on question cards and drop in question box; **or**
 - Submit written questions online at one of the computer stations.
-
- Written questions relevant to the proposed regulations or air quality plan submitted by July 18th will be aggregated and answers posted online prior to the end of the public comment period.



Thank You for Coming!

- We hope you find this open house to be informative and helpful to you in providing feedback to DEC on this important issue.

- For more information:

<http://tinyurl.com/ztqsosq>



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