



Welcome!

Clean Air Act Advisory Committee

November 16, 2017

Air Quality Bureau Updates

Air Quality Bureau Budget

New Registration Rules

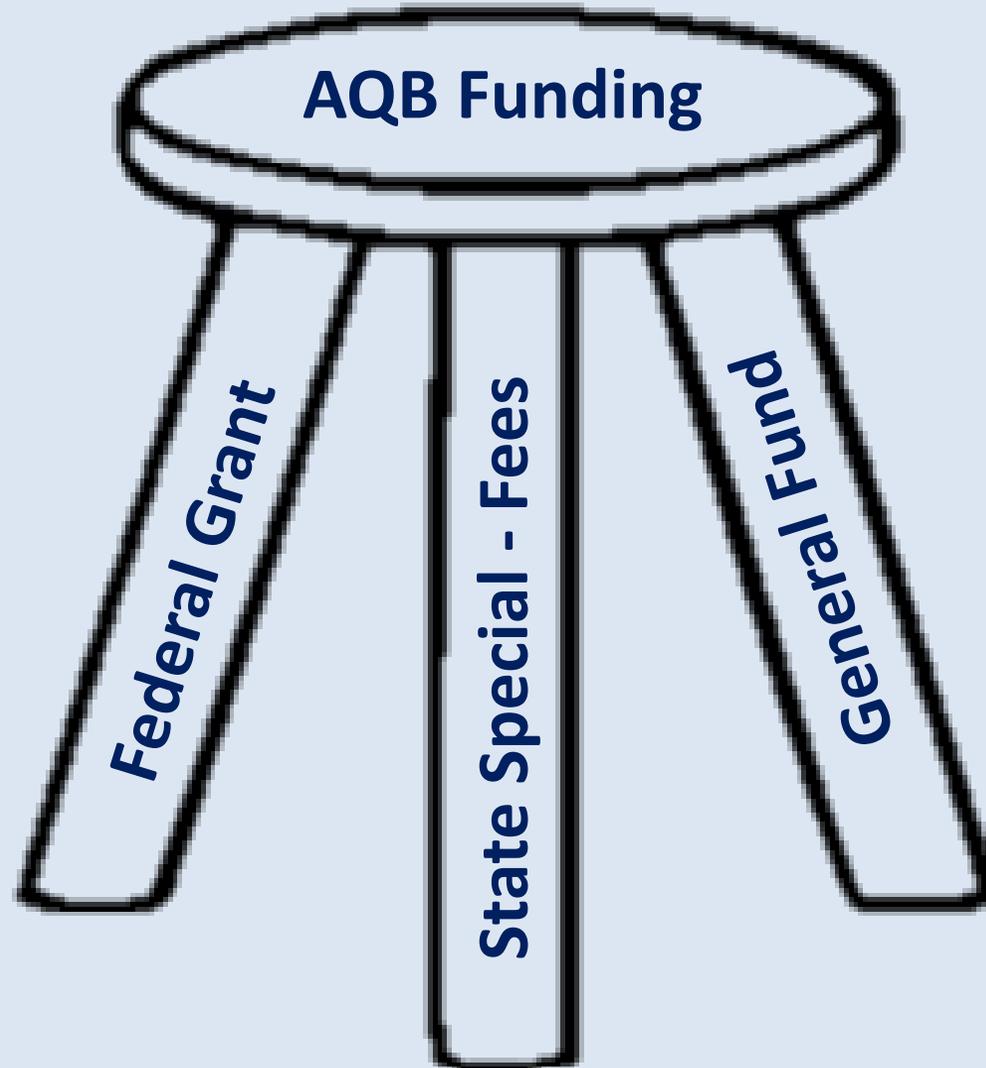
Regional Haze Update

Redesignations

Source Test Workshop

Conditional Air Quality Monitors

Air Quality Bureau Funding





New Registration Rules

Rebecca Harbage

Permitting Program Improvement Project

- WHY?
 - Bottom line: We want work efficiently and produce high quality results.
 - Some source categories have relatively low emissions and nearly identical control options for each source, yet we spend a lot of time going through the steps of case-by-case analysis.
 - For example, 37% of active MAQPs are crusher/screen operations.
 - Including concrete batch plants and asphalt plants: 55%
 - If we can standardize and streamline the way we approach these source categories, staff will have more time to spend on the more complex permits and on outreach and education.

Permitting Program Improvement Project

- WHAT?

- Permit-by-rule/registration program for specific source categories.
- Permit conditions and control requirements will be placed in rule and applied to all eligible sources that are registration eligible.
- Registration will streamline the initial approval process as well as eliminate the sometimes lengthy permit modification process.
- Rules will be accompanied by simple explanatory handouts that highlight the conditions that apply to different types of equipment.
- Looking toward the future, the process will ideally be electronic.

Permitting Program Improvement Project

- WHEN?
 - AQB is currently reviewing preliminary drafts.
 - We look forward to discussing key aspects of the program with stakeholders in early 2018, likely forming a smaller technical workgroup.
 - We intend to continue to bring regular updates before CAAAC.
 - Adoption of rules will go through the Board of Environmental Review.
 - Our target is adoption by the end of 2018.

Regional Haze Status Update

Rebecca Harbage

Regional Haze

- STATUS UPDATE
 - AQB received supportive comments from Federal Land Managers on the periodic progress report.
 - Progress report was submitted to EPA on November 14, 2017.
 - Regional discussions are under way regarding baseline emissions inventories and modelling for the next planning period (SIPs due in 2021).
 - AQB may look to gain administrative authority over current regional haze regulations by adopting the FIP requirements into a SIP in 2018.
 - We will continue to provide regular updates to all stakeholders on both the current regulations and future haze planning.



Redesignations and Source Test Workshop

Liz Ulrich

Redesignations

- Official designation that the air is meeting the standard
 - Protecting public health
- Removes regulatory burden associated with NAA
 - More stringent permitting requirements
- Increases economic growth potential by allowing new industrial growth within the area

Montana Non-attainment Areas

Flathead County

PM-10 (1987)	Columbia Falls
PM-10 (1987)	Whitefish
PM-10 (1987)	Kalispell

Lewis and Clark County

Lead (1978)	East Helena Area
SO2 (1971)	East Helena Area

Lincoln County

PM-10 (1987)	Libby
PM-2.5 (1997)	Libby

Missoula County

PM-10 (1987)	Missoula
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Sanders County

PM-10 (1987)	Thompson Falls Area
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Silver Bow County

PM-10 (1987)	Butte
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Yellowstone County

SO2 (1971)	Laurel Area
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Source Test Protocol Workshop



Workshop Contact:

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Conditional Air Quality Monitoring

Montana Wildfire Season 2017

Doug Kuenzli

Conditional Air Quality Monitoring

Wildfire Smoke Impacts



How are impacts measured?

- ❑ Method: MetOne Beta Attenuation Monitors (EBAMS)
 - ▶ Direct measurement of fine particulate matter (PM_{2.5})
 - ▶ Near real time 1-hour averages
 - ▶ Light weight, portable, readily deployed
- ❑ Location Selection: Representative of objective

Conditional Air Quality Monitoring

Wildfire Smoke Impacts

Importance of Conditional Monitoring

- * Data produced is crucial in support of environmental and public health decisions and strategic planning needs

Wildfire Impact Monitoring Data Supports.....

- ❑ Public health messaging regarding short and long-term exposure
- ❑ Resource Planning and Response
- ❑ Smoke impact forecasting

Conditional Air Quality Monitoring

Wildfire Smoke Impacts

- ❑ 16 Formal written requests submitted
 - County Environmental and Public Health
 - FLM – USFS and GNP
 - Trial Agency

- ❑ 5 Portable monitors deployed



Conditional Air Quality Monitoring

Wildfire Smoke Impacts

