Air & Waste Management Technical Conference

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February 23, 2016
Topics

• Ozone National Ambient Air Quality Standard (NAAQS)
  – 2008 Standard
  – 2015 Standard
• 2010 Sulfur Dioxide (SO2) NAAQS
• Clean Power Plan – 111(d)
Ozone Standard

- 2008 – 75 ppb
- 2015 – 70 ppb

- Finalized Oct 1, 2015
- Ozone season starts one month earlier – March 1 (to begin in 2017)
- 23 Ozone Monitors in the state
  - Current 3 year period – highest value is 71 ppb
Ozone in Missouri

2008 standard
- Submitted Clean Data Determination Request to EPA
- Working on Re-designation and Maintenance Plan

2015 standard
- Currently, one monitor (St. Louis area) violating
  - Based on 2013-15 design value; EPA intends to designate based on 2014-2016 data
- Boundaries for nonattainment areas will depend on technical analysis of emissions, commuting patterns, meteorology, etc.
2010 Sulfur Dioxide Standard

• Initial Round: Nonattainment Areas
  – Two areas in Missouri designated as nonattainment
    • Portion of Jackson County (KC Area)
    • Portion of Jefferson County

• 2nd Round: Federal Consent Decree Round

• 3rd Round: SO$_2$ Data Requirements Rule
2\textsuperscript{nd} Round: Federal Consent Decree

- Missouri submitted recommendations:
  - Ameren Labadie, KCP&L Sibley and City of Sikeston Power Plant

- States received ‘120 day letters’ last week, have until April 19\textsuperscript{th} to respond

- EPA will finalize designations by July 2, 2016
3rd Round: Data Requirements Rule

• 16 sources affected
  – 3 addressed in 2nd Round

• Three evaluation options available
  1. Limit annual emissions to less than 2,000 tons per year
  2. Model using actual emissions
  3. Install new monitors
Timeline for DRR Designations

- Jan 1, 2017: New monitors operational, if applicable
- Jan 13, 2017: Modeled boundary recommendations
- Dec 2017: EPA designates areas based on modeling of actual emissions
- May 2020: Monitored boundary recommendations
- Dec 2020: EPA designates areas based on 2017-19 monitored data
Clean Power Plan

- Rule finalized August 3, 2015
- Supreme Court issued stay of rule on February 9, 2016
- 21 affected sources in Missouri
How To Stay Informed

Public notices – rules, permits, state plans:

Air Program Advisory Forum:
http://dnr.mo.gov/env/apcp/airadvisory/apcpstakeholder.htm
Air Program’s web page:
http://www.dnr.mo.gov/env/apcp/index.html

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