

Air & Waste Management Technical Conference

Kyra Moore

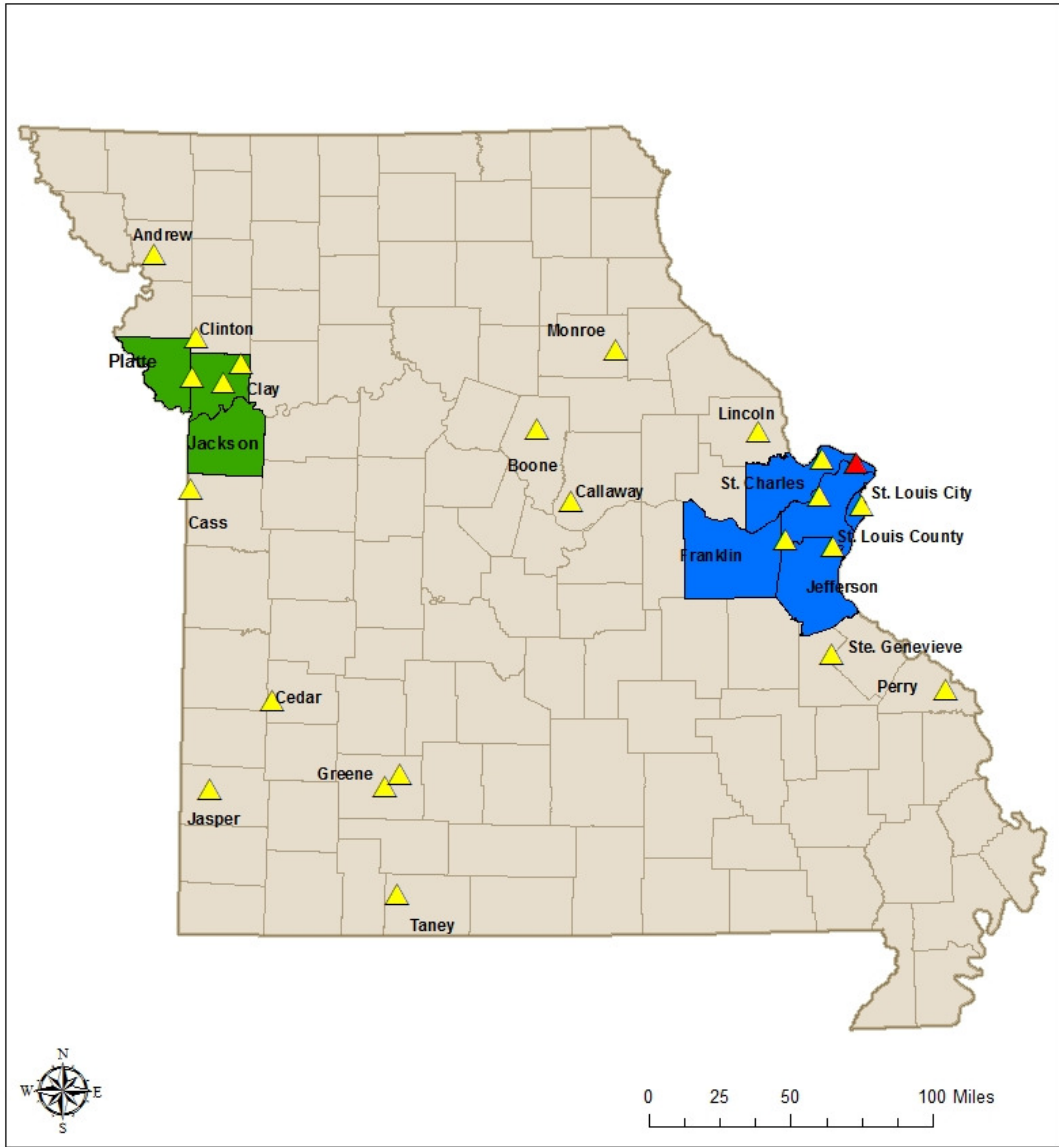
February 23, 2016

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 Monitors with 2013-2015 Ozone Design Values (DV)

- Legend**
- ▲ Monitor with Predicted 13-15 DV > 70 ppb
 - ▲ Monitors with Predicted 13-15 DV ≤ 70 ppb
 - St. Louis Ozone Nonattainment Area (2008)
 - Kansas City Ozone Maintenance Area

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: SO₂ Data Requirements Rule

2nd Round: Federal Consent Decree

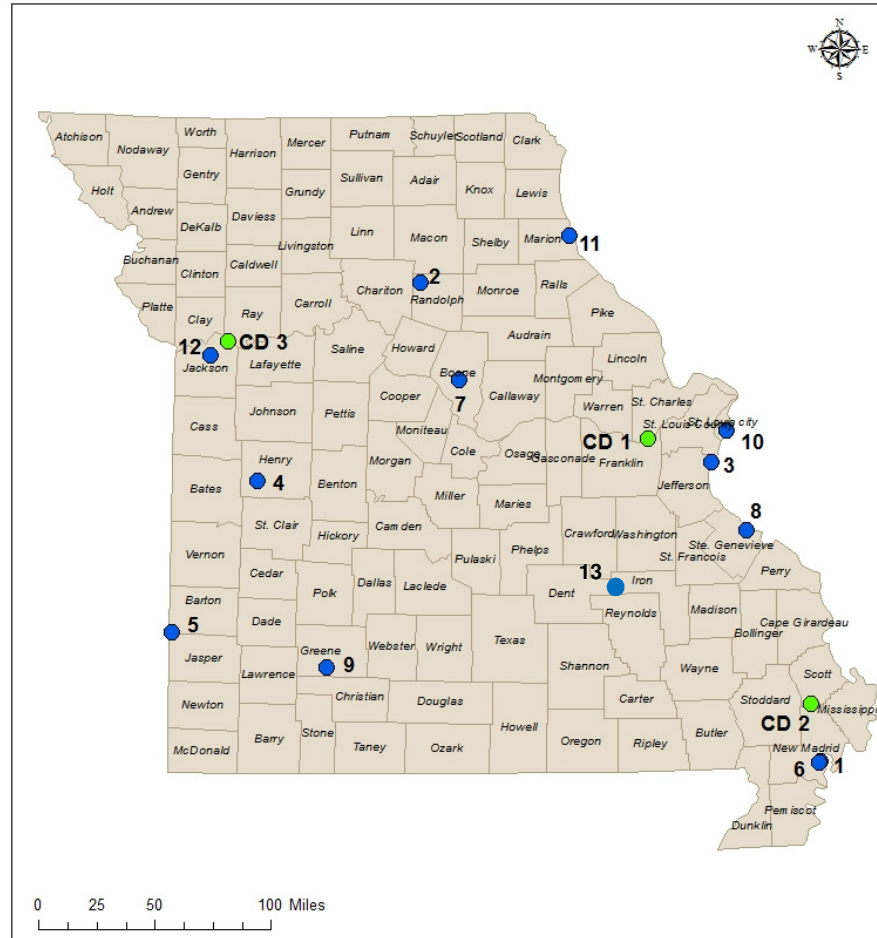
- Missouri submitted recommendations:
 - Ameren Labadie, KCP&L Sibley and City of Sikeston Power Plant
- States received ‘120 day letters’ last week, have until April 19th to respond
- EPA will finalize designations by July 2, 2016

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



MO Sources Affected by Final SO2 Data Requirements Rule
based on 2014 Actual Emissions



Legend

- Sources Affected by Final DRR based on 2014 Emissions
- Sources Affected by CD and DRR
- County Boundaries

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

- <http://dnr.mo.gov/env/apcp/cpp/index.html>
- 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:

<http://dnr.mo.gov/env/apcp/public-notices.htm>

Air Program Advisory Forum :

<http://dnr.mo.gov/env/apcp/airadvisory/apcpstakeholder.htm>

.



Click to
receive
updates on
this issue.

Air Program's web page:

<http://www.dnr.mo.gov/env/apcp/index.html>

Kyra L. Moore, Director
MDNR Air Pollution Control Program
1659 E. Elm Street
Jefferson City, MO 65102
(573) 751-7840
(573) 751-0303 direct line
kyra.moore@dnr.mo.gov



Division of Environmental Quality Director: Leanne Tippett Mosby

Date: February 23, 2016

Nothing in this document may be used to implement any enforcement action or levy any penalty unless promulgated by rule under chapter 536 or authorized by statute.