MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Overview of 2015 Ozone Standard

Air Pollution Control Program

October 2015

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

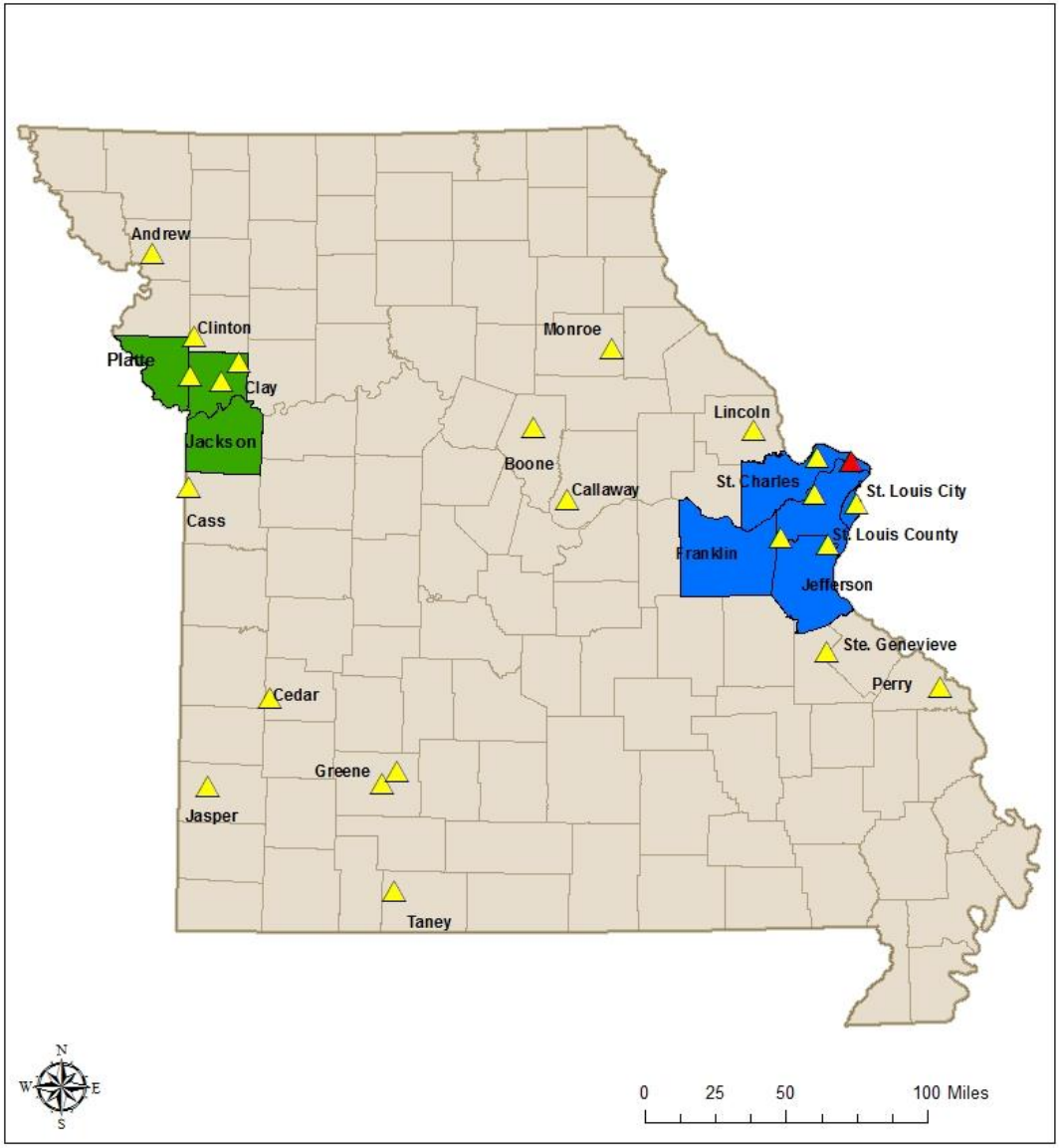
Presentation Overview

- 2015 Standard
- Missouri Monitoring/Impact
- Tentative Timeline

MISSOURI DEPARTMENT OF NATURAL RESOURCES

2015 Ozone Standard

- Finalized Oct 1, 2015
- Level of 70 ppb, same form and averaging time as 2008 standard
  - 4th highest 8-hour average
- Primary health standard same as secondary welfare standard
- Ozone season starts one month earlier – March 1 (to begin in 2017)



Map based on preliminary 2013-2015 ozone monitor values

These values are subject to quality assurance and quality control procedures, and the ozone season ends Oct 31.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality
Air Pollution Control Program
Prepared: 10/02/2015

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

MISSOURI DEPARTMENT OF NATURAL RESOURCES

St. Louis Area Monitors

Monitor Location	2012-14 Design Value*	2013-15 Preliminary Design Value^
Arnold West	75	70
Blair Street	73	65
Foley	75	68
Maryland Heights	77	70
Orchard Farm	76	69
Pacific	72	65
West Alton	78	71

*Quality Assured Data through 2014.
^All 2015 data has not been quality assured and is preliminary. Do not quote, do not cite.
**Red text are 3-year design values over the 2015 standard of 70 ppb . Assumes 71 is a violation.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Kansas City Area Monitors

Monitor Location	2012-14 Design Value*	2013-15 Preliminary Design Value^
Liberty	72	64
RG South	69	64
Rocky Creek	74	67
Trimble	73	67
Watkins Mill	73	66

*Quality Assured Data through 2014.
^All 2015 data has not been quality assured and is preliminary. Do not quote, do not cite.
**Red text are 3-year design values over the 2015 standard of 70 ppb . Assumes 71 is a violation.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Missouri Area Monitors

Monitor Location	City/Area Monitored	2012-14 Design Value*	2013-15 Preliminary Design Value^
Bonne Terre	Ste. Genevieve County	72	65
Farrar	Perry County	71	66
Fellows Lake	Springfield	68	61
Hillcrest H.S.	Springfield	65	60

*Quality Assured Data through 2014.
^All 2015 data has not been quality assured and is preliminary. Do not quote, do not cite.
**Red text are 3-year design values over the 2015 standard of 70 ppb . Assumes 71 is a violation.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Missouri Area Monitors (cont.)

Monitor Location	City/Area Monitored	2012-14 Design Value*	2013-15 Preliminary Design Value^
Alba	Joplin	72	65
Branson	Branson	64	59
El Dorado Springs	Cedar County/Rural	70	63
Finger Lakes	Columbia	68	63
Mark Twain	Monroe County/Rural	64	59
New Bloomfield	Jefferson City	66	63
Savannah	St. Joseph	68	64

*Quality Assured Data through 2014.
^All 2015 data has not been quality assured and is preliminary. Do not quote, do not cite.
**Red text are 3-year design values over the 2015 standard of 70 ppb . Assumes 71 is a violation.

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Impacts on Missouri

- Currently, one monitor (St. Louis area) violating 2015 standard
  - *Based on 2013-15 preliminary design value; ozone season has not ended yet*
  - *EPA intends to designate based on 2014-2016 data*
- Boundaries for nonattainment areas will depend on technical analysis of emissions, commuting patterns, meteorology, etc.
- Additional (conformity) requirements only for nonattainment areas; currently affects St. Louis

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Tentative Timelines

Attainment/Nonattainment Designation Process:

Jul-Sept 2016:	Public review and comment on Missouri's boundary recommendation
Oct 1, 2016:	Missouri submits recommendation to EPA
June 2017:	Missouri receives EPA 120-day letter with proposed changes to recommendation (time for feedback)
Oct 1, 2017:	EPA finalizes designation

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Tentative Timelines

Proposed Implementation/SIP Schedules:

2016 to 2017:	EPA finalizes Implementation Rule (with classifications)
Oct 2018:	State Infrastructure and Transport SIP(s) due to EPA
2020 to 2021:	State SIP(s) due (depends on level of classification)
2020 to 2037:	Deadline to attain the standard (2020-2025 for marginal areas)

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Division of Environmental Quality Director: Leanne Tippett Mosby

Date: October 27, 2015

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.