



Missouri  
Department of  
Natural Resources

# Missouri Ozone Update

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Air Program Advisory Forum  
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Jefferson City, Missouri

# Presentation Overview

- Current EPA Standard
- New Ozone Standard
- Missouri Monitors Under New Standard
- Next Steps

# Current EPA Standard

- Current standard proposed in 1997
- Primary and secondary both set at 80 parts per billion, (ppb)
  - Uses an 8-hour averaging time
  - Three years of data needed to determine area's status
  - Fourth highest value for each year averaged together
  - Rounding allows for values to 84 ppb
- More recent science shows current standard not adequate to protect public health

# EPA's New Ozone Standard

- Primary standard – 75 ppb
- Secondary standard – 75 ppb
- No rounding
- Area meets the new standard if design value is less than or equal to 75 ppb

# Ozone Monitoring Network as of March 2008

## Outstate Area

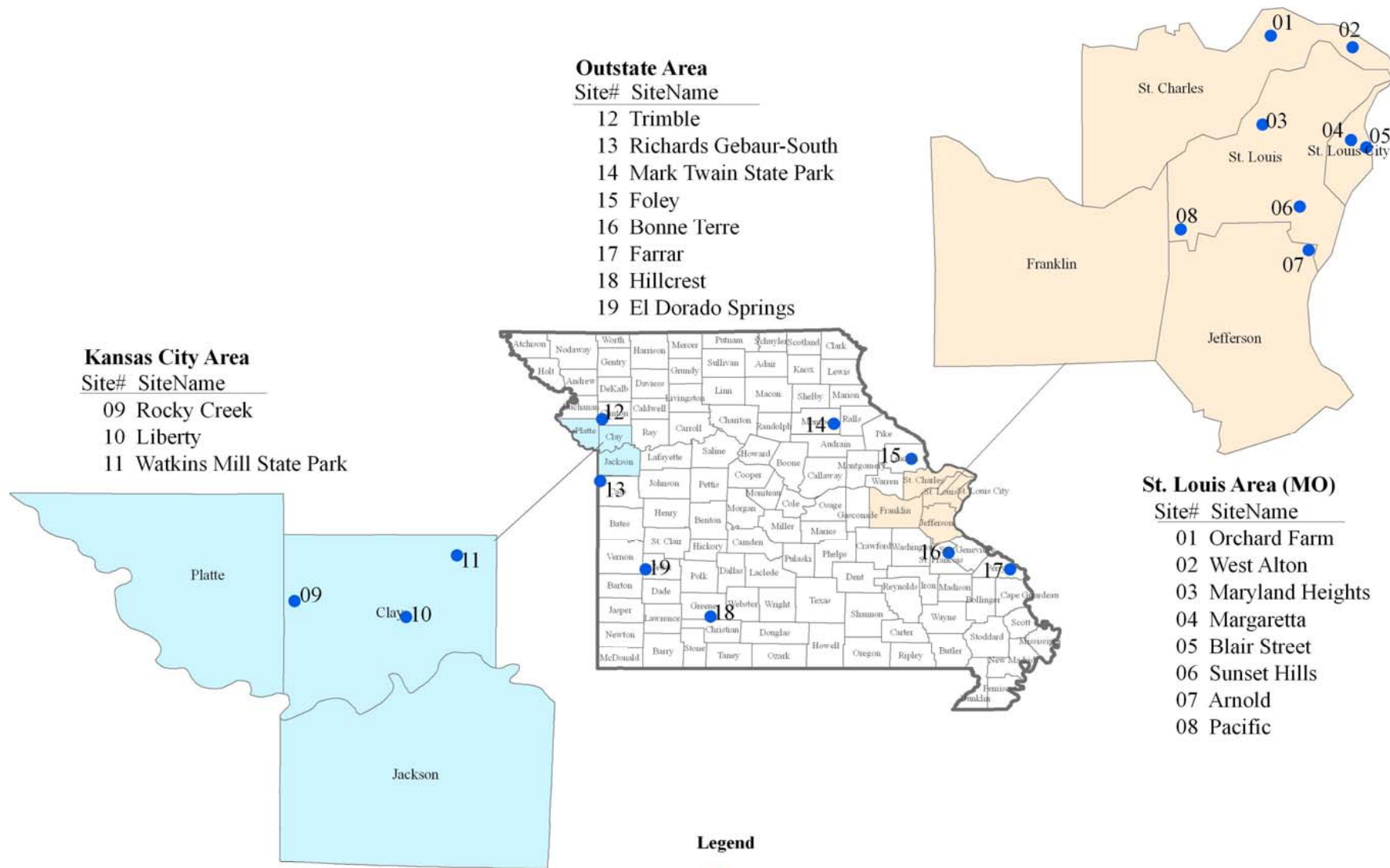
Site#	SiteName
12	Trimble
13	Richards Gebaur-South
14	Mark Twain State Park
15	Foley
16	Bonne Terre
17	Farrar
18	Hillcrest
19	El Dorado Springs

## Kansas City Area

Site#	SiteName
09	Rocky Creek
10	Liberty
11	Watkins Mill State Park

## St. Louis Area (MO)

Site#	SiteName
01	Orchard Farm
02	West Alton
03	Maryland Heights
04	Margaretta
05	Blair Street
06	Sunset Hills
07	Arnold
08	Pacific



### Legend

- Ozone Monitor
- Non-attainment Area
- Maintenance Area



# 2005-2007 Design Values

<i>ST. LOUIS</i>	05-07
Arnold	<b>86</b>
West Alton	<b>89</b>
Orchard Farm	<b>89</b>
Blair*	<b>84</b>
Margaretta	<b>86</b>
Sunset Hills	<b>86</b>
Maryland Hts*	<b>88</b>
Pacific*	<b>83</b>
Bonne Terre	<b>83</b>
Foley*	<b>87</b>

<i>SPRINGFIELD</i>	05-07
Hillcrest H.S.	<b>77</b>

<i>KANSAS CITY</i>	05-07
Liberty	<b>87</b>
Watkins Mill	<b>81</b>
Rocky Creek	<b>87</b>
RG South	<b>77</b>
Trimble	<b>85</b>

<i>OUTSTATE</i>	05-07
Mark Twain	<b>75</b>
Eldorado Springs	<b>76</b>
Farrar	<b>80</b>

# 2008 Monitors Under New Standard

- No exceedances of new standard yet
- Sites have violated the new standard
- Four sites in St. Louis area
  - West Alton, Orchard Farm, Foley, Maryland Hts.
- One site in Kansas City area
  - Rocky Creek
- All 2008 fourth high values in mid-50's ppb
- Violations due to fourth high values of previous years

# Next Actions with New Standard

- EPA only announced new standard and reasoning behind decision
- Expect EPA guidance for determining area designations to follow
  - Likely in Fall of 2008
- EPA implementation rules/requirements in next few years
  - Transitioning to new standard
  - Designation requirements
  - EPA begins with Metropolitan Statistical Area
- EPA will propose a new monitoring rule in June 2008

# Timeline for Implementation

<u>Milestone</u>	<u>Date</u>
EPA Administrator signed final rule	March 12, 2008
Effective Day of final rule (60 days following the publication in the Federal Register)	Approximately June 2008
State provide recommendations on designations to EPA	March 2009 (based on 2006-2008 monitoring data)
Final Designations by EPA	Approximately March 2010
Effective Date of Designations	Approximately 2010
SIPs Due	Approximately 2013
Attainment Dates	2013-2030 depending on severity of problem

# Questions/Comments?

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