

# 2013 OZONE SEASON

St. Louis Monitoring Agencies

May 15, 2014



EAST-WEST GATEWAY  
Council of Governments

Creating Solutions Across Jurisdictional Boundaries

# Ozone Data Sharing Project

- Ozone Season - April 1 to October 31
- East-West Gateway acts as a clearinghouse for ozone data
- Initial quality assurance screening
- Prepare reports





# 2013 Ozone Season

- 7 Ozone Days
  - 1 in July
  - 1 in August
  - 5 in September
- 15 Exceedances of 2008 standard



# 2013 Exceedances by Monitor

- Arnold West – 2
- West Alton – 2
- Orchard Farm – 2
- Maryland Hts – 2
- Pacific - 1
- Wood River – 3
- Maryville – 2
- Alton – 1





# 2013 Season Transport Tracking Monitors

- 3 Ozone Days
  - 1 in July
  - 1 in August
  - 1 in September
- 4 Exceedances
  - Foley MO – 2
  - Jerseyville IL – 2



# 2013 Summer Vs. 2012

## 2013

- 15 exceedances
- 62<sup>th</sup> warmest on record
- 37 days  $\geq 90^{\circ}$
- 2 days  $\geq 100^{\circ}$

## 2012

- 170 exceedances
- 4<sup>th</sup> warmest on record
- 60 days  $\geq 90^{\circ}$
- 21 days  $\geq 100^{\circ}$



# 1999-2013 Exceedances 2008 8-Hour Ozone Standard



# Days with Incomplete Data By Monitor

- Four or more hours with no values recorded at a monitor
- Incomplete does not always mean unmonitored
- Causes - monitor malfunction, power outage or monitor taken offline due to flooding (West Alton)



# Products

- Tables
  - 1-hour ozone values by monitor by day
  - Days with 8-hour exceedances
  - 4 highest 8-hour averages by monitor
  - Days with incomplete data
- East-West Gateway website
  - Maximum 8-hour values by monitor
  - AQI Calendar



# Ozone

## OneSTL Performance Measure

- Regional Plan for Sustainable Development
- Metric - Running 3 year average of days the Air Quality Index exceeds 100

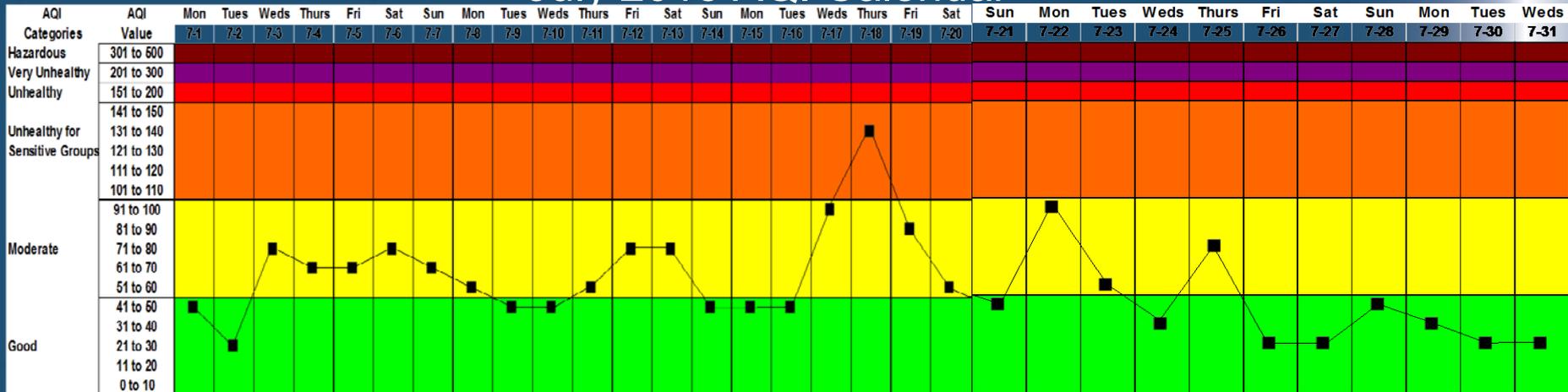


# For Additional Information

On-line Air Quality Resource Center

[www.ewgateway.org/environment/aq/aq.htm](http://www.ewgateway.org/environment/aq/aq.htm)

## July 2013 AQI Calendar



# Then and Now



October 28, 1938 looking east along  
Pine from 200 block of N. Tucker  
St. Louis Post-Dispatch



October 16, 2013 looking east from  
SSM St. Mary's Health Center  
MDNR Visual Air Pollution Camera