

US EPA ARCHIVE DOCUMENT

St. Louis Air Quality Management Plan Update

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Presentation Overview

- Air Quality Issues in the St. Louis Area
- Purpose of the St. Louis AQMP
- AQMP Progress
- Next Steps

Air Quality Issues in the St. Louis Area

- Bi-state nonattainment area for:
 - The 1997 8-hour Ozone Standard
 - The PM_{2.5} Annual Standard
- Nonattainment Area for Lead (Herculaneum, MO)
- Air Toxics Concerns
 - diesel particulates
 - arsenic
 - acetaldehyde
 - benzene
 - formaldehyde
 - chromium

Herculaneum and St. Louis Ozone & PM2.5 Non-Attainment Areas



Missouri Department of Natural Resources
 Air Pollution Control Program
 Modified by Bern Johnson - June, 2008

-  Herculaneum
-  Ozone and PM2.5 Non-attainment Area
-  Ozone Non-attainment Area
-  PM2.5 Non-attainment Area



Purpose of the St. Louis AQMP

■ The plan will:

- Develop a list of St. Louis' air pollution priorities
- Have a template for integration of controls – ozone, PM2.5, lead and air toxics
- Address all the elements of SIP submittals in a timely fashion
- Minimize duplication of effort

Purpose of the St. Louis AQMP (cont'd)

■ The plan will:

- Provide better opportunities for public outreach with respect to air quality management
- More fully integrate other programs into the St. Louis air quality management discussion
 - Smart Growth
 - Energy Efficiency
 - Human Health
 - Voluntary Control Measures
 - Climate Change Initiatives
 - Ecosystem Health

St. Louis AQMP Progress

- Formed a St. Louis AQMP Pilot Project Team
- Presented the AQMP concept to Stakeholders and solicited their input
- Completed a January submittal of an AQMP Work Plan to OAQPS

St. Louis AQMP Progress (cont'd)

- Completed a May submittal of AQMP “Lay of the Land” Report to OAQPS
- Received notice that Missouri’s proposal for a State Innovations Grant was accepted for the development of a St. Louis area AQMP

St. Louis AQMP Progress (cont'd)

AQMP Pilot Project Team

- Team formed of partners from
 - Missouri Department of Natural Resources
 - Illinois Environmental Protection Agency
 - U.S. EPA Regions V and VII
 - U.S. EPA Office of Air Quality Planning and Standards
 - East-West Gateway Council of Governments
- Total of 14 conference calls
- 2 face to face meetings in St. Louis

St. Louis AQMP Progress (cont'd)

Presentation to Stakeholders

- East-West Gateway Council of Governments - Air Quality Advisory Committee
 - December 13, 2007 (Work Plan)
 - April 24, 2008 (Lay of the Land)
- Missouri Air Conservation Commission-
February 7, 2008

St. Louis AQMP Progress (cont'd)

Work Plan Submittal

- Living Document to be adjusted as project develops and St. Louis needs are better defined
- Tasks in work plan associated with four main elements
 - Gathering information on the status of air quality issues
 - Developing an understanding of multi-pollutant issues
 - Developing process to evaluate multi-pollutant control strategies
 - Developing the AQMP, implementing it, and evaluating its performance

St. Louis AQMP Progress (cont'd)

“Lay of the Land Report” Submittal

- Discusses current air quality issues in St. Louis and SIP development efforts underway
- Discusses current staffing resources for Missouri/Illinois
- Discusses Missouri/Illinois regulatory processes

St. Louis AQMP Progress (cont'd)

State Innovation Grant

- Missouri State Innovation Grant Application Accepted by the Office of Environmental Policy Innovation
 - \$275,000 for AQMP Work (mostly designed for technical product development)
- On-going work to develop work plan and “logic model” for the grant

Next Steps

- Continue development of Conceptual Model
- Develop application and work plan for Innovations Grant
- Begin work on toxics inventory development for inclusion in the “new” photochemical modeling construct
- Obtain new modeling construct from OAQPS to commence technical work (including emission model, photochemical model, underlying data/information to begin training of staff and commence effort)