



METRO Louisville



Strategic Toxic Air Reduction



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Pollution Control District



History - Developing Issue

- Long-time community concerns - “Rubbertown”
- 1996 - West Jefferson County Task Force appointed
- Extensive media coverage
- Mayor and District Engage Stakeholders
 - Community Groups
 - Neighborhood Representatives
 - Industry
 - Universities
- Action Plan Developed
 - First step - air toxics monitoring



Assessing Public Health Risk

West Louisville Air Toxics Study (WLATS)

- Extensive Monitoring ▪ April 2000 - April 2001
- 13 Monitors at 12 County-wide sites
- 24 Hour Sampling every 12 days
 - 83 Volatile Organic Compounds
 - 63 Semi-Volatile Organic Compounds
 - Formaldehyde, HCl, HF
 - 20 Metals
- EPA funding assistance



WLATS Results

- Sciences International conduct analysis of new data
- 17 Carcinogens found with lifetime risk levels greater than one in a million (10^{-6})
- November 2003 Results released to public and posted on District's website
- Community & local advocates call for action
- Extensive media coverage





STAR Program

Strategic Toxic Air Reduction

Developing Regulatory Package - Spring 2004

- District staff begin drafting process
- Researching national best practices
- Reviewing peer cities
- Seeking input from District's Board members
- Conducting stakeholder meetings
- Focusing on primary chemicals of concern
- Review of Toxic Release Inventory (TRI) data
- Internal staff review, discussion and debate



STAR Program

Strategic Toxic Air Reduction

Communications Plan

- Planning News Conference
- Developing focused messaging
- Identifying key constituencies
 - Communicate directly prior to release
- Develop STAR summary and release materials (displayed new technology and mapping)
- Identifying public/industry meeting opportunities (Reached 1,600 persons @ 40 meetings)



STAR Program

Strategic Toxic Air Reduction

Roll-out - September 2004

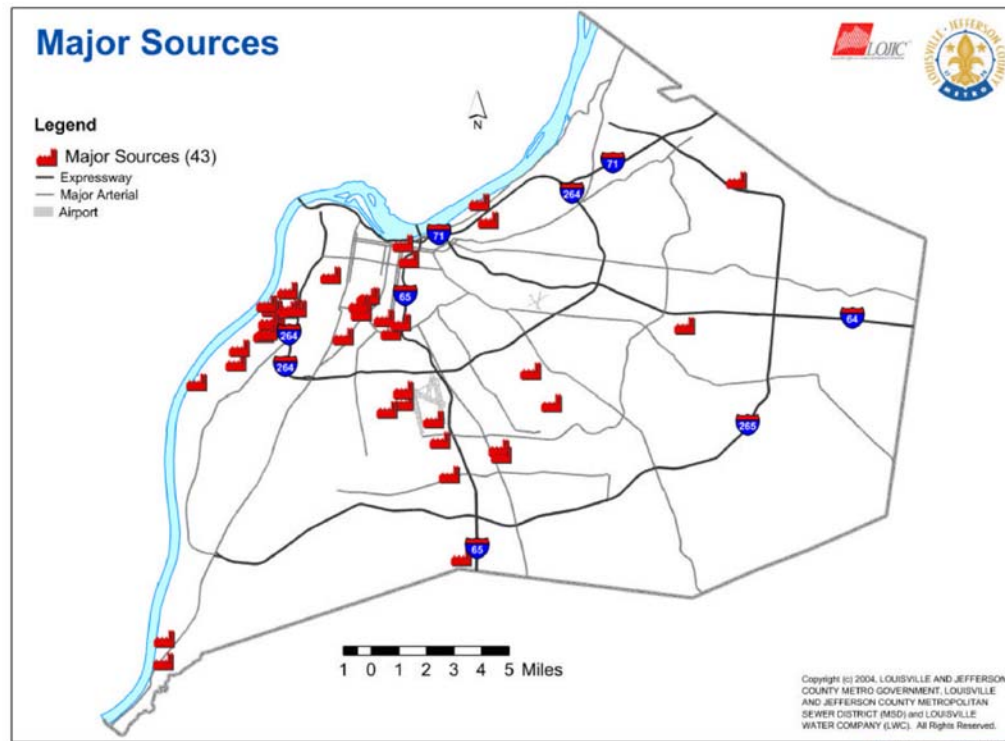




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Roll-out ■ Materials

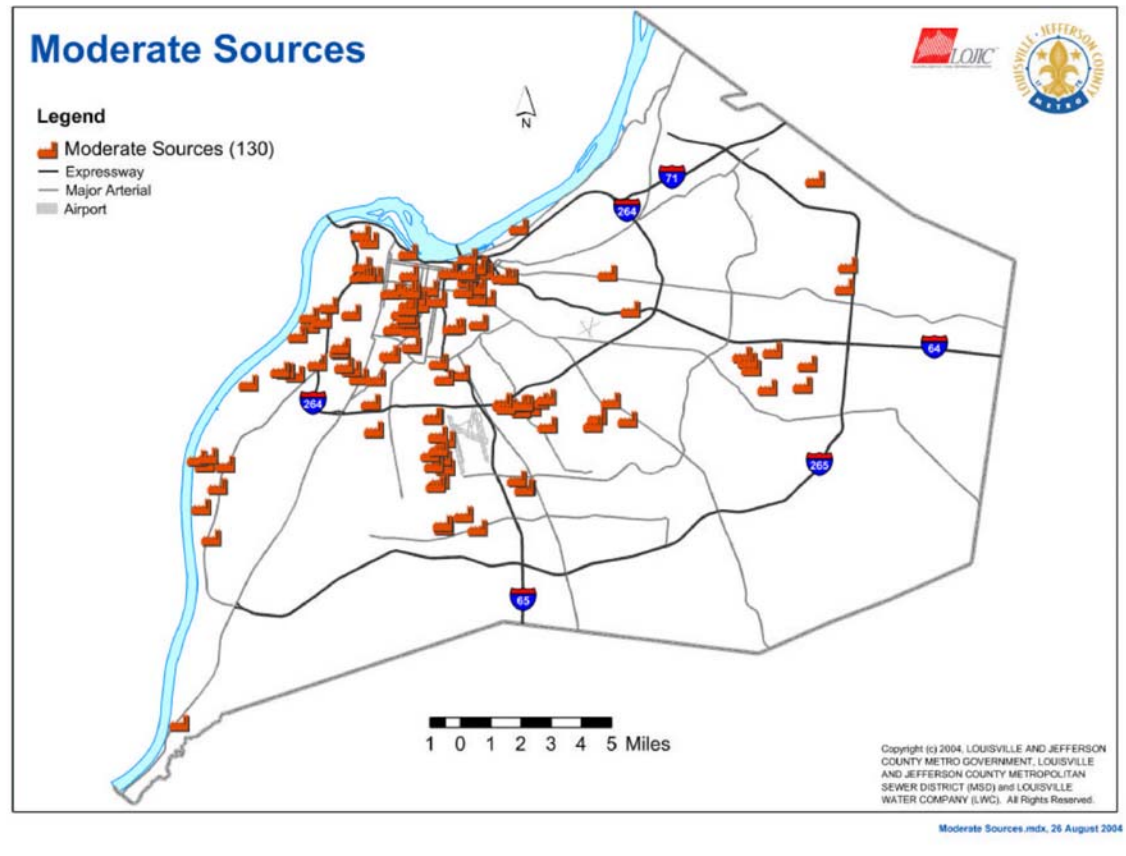




STAR Program

Strategic Toxic Air Reduction

Roll-out ■ Materials



★ **STAR** Program

Strategic **T**oxic **A**ir **R**eduction

- STAR Program - Major Points

★ **STAR** Program

Strategic **T**oxic **A**ir **R**eduction



- 1 Emissions levels**
- 2 Release points**
- 3 Modeling**
- 4 Reduction plan**
- 5 Compliance**



STAR Program

Strategic Toxic Air Reduction

STAR Program ■ Overview

- Focused toxic emissions reductions over next 5 years
- Detailed toxic emissions reporting required
- Establishes health risk goal (1 in a million lifetime exposure) for 38 chemicals of concern
- Requires 173 companies (TitleV's & FEEDOOPs) to demonstrate compliance with health risk goals
- Strengthens ability to prevent new or modified sources
- Requires new standards for leaks and malfunctions



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Strategic Toxic Air Reduction

Ongoing Community Outreach ■ Forums

- General Public
- Advocacy Community
 - Public Health
 - Neighborhoods
 - Environmental
- Industry Representatives
 - Technical Sessions
- Dedicated STAR Homepage on APCD website



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Promulgating Regulations ■ Informal Process

- Preparing Regulatory Impact Statement
- Soliciting public comment (42 sets of detailed comments to date - EPA Region IV, Industry, Advocates, General Public)
- Briefing District Board members
- Reviewing and developing response public comments
- Briefing Administration on developments
- Responding to public and media inquiries



STAR Program

Strategic Toxic Air Reduction

Next Steps

- District Board will be reviewing staff responses to public comment
- Preparing revised regulations based on public comment and stakeholder input
- Continuing outreach in public venues to inform stakeholders
- Begin formal public comment period mid-January 2005
- Visit District's website for more information @ www.apcd.org/star