

# Midwest Regional Air Quality Workshop

Rosemont, IL

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# Current Status of 8-hour Ozone Nonattainment Areas at the End of the 2006 Ozone Season



# PM 2.5 NONATTAINMENT AREAS

# U.S. EPA

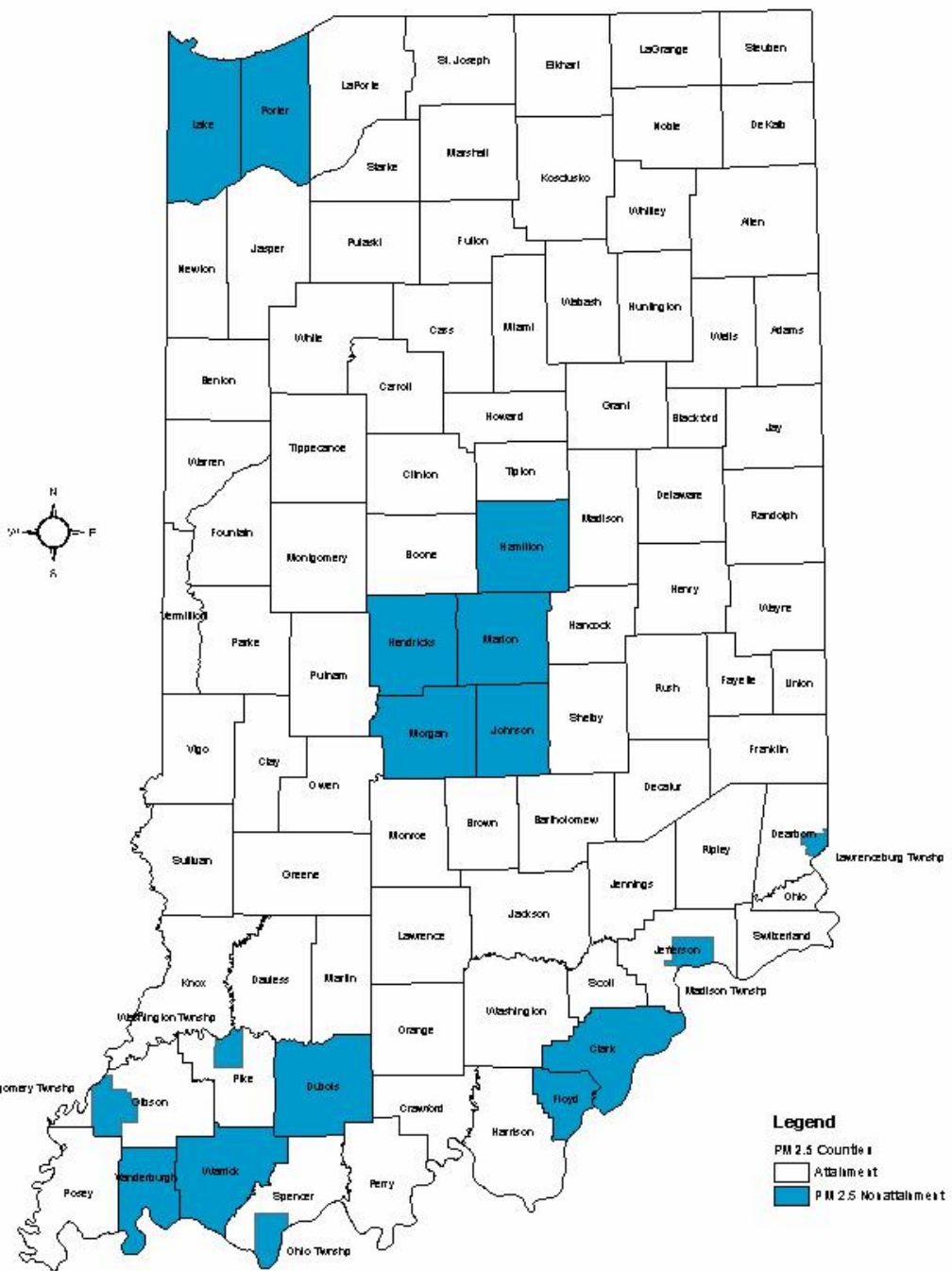
## Designated

## PM 2.5

## Nonattainment

## Areas

## April 5, 2005







# Indiana Rulemaking Update

## Degreasing-Extend Statewide

- Use of solvents to remove water-insoluble contaminants such as grease, oils, waxes, etc.
- Volatile Organic Compound (VOC) emissions result from the evaporation of solvents.
- Applies to stationary and area sources.
- Emission reductions obtained by increasing the stringency of existing reasonably available control technology (RACT) and extending geographic coverage of the rules.

## Consumer/Commercial Products- Add Statewide

- Items sold to customers for personal, household or automotive use (examples include hairsprays, adhesives and cleaning agents).
- Volatile Organic Compound (VOC) emissions result from the evaporation of propellant.
- VOC control limits put in place and emissions reductions obtained through product reformulation.



# Indiana Rulemaking Update

## Architectural and Industrial Maintenance (AIM) Coatings- Add Statewide

- Coatings used to beautify and protect homes, office buildings, pavements, etc. Examples include paints, stains and varnishes.

## Portable Fuel Containers

- Will withdraw rulemaking if federal Mobile Source Air Toxics rule issued by U.S. EPA is not challenged

## Outdoor Wood Boilers - Add Statewide

- Outdoor structures located on property away from the primary structure that are designed to provide comfort heating and hot water to the structure.
- PM and air toxics produced from the burning of wood.
- Several IN cities have banned these units within their jurisdictions.
- Indiana drafting rule based on NESCAUM model rule.



# Indiana Rulemaking Update

## Auto Refinishing – Extend Statewide

- The application of coatings subsequent to original equipment manufacture (e.g., washes, primers, sealers and topcoats). Does not include the coating of new cars.
- Volatile Organic Compound (VOC) emissions result from the evaporation of solvents.
- Indiana has rules limiting emissions via VOC content limits and work practice standards; will extend from N/A & maintenance counties statewide.



# Indiana Rulemaking Update

## Clean Air Interstate Rule - CAIR

- Effective date of state rule – February 25, 2007
- SIP has been submitted to U.S EPA Region 5

## Clean Air Mercury Rule-CAMR

- Preliminary Adoption – May 2007
- Final adoption – October 2007
- Effective – Early 2008
- IN draft rule is based on CAMR



# Indiana Rulemaking Update

## Best Available Retrofit Technology - BART

### Schedule

- Second Notice in March 2007
- Preliminary adoption in June 2007
- Final adoption in October 2007
- SIP submittal in December 2007

### Structure

- Adoption by reference of the federal BART Guidelines
- Will include a schedule for submitting BART analysis and require compliance within 5 years
- Limits will be incorporated into permits and rule in future

### BART “Subject” Sources:

ALCOA, GE Plastics, Mittal Steel-Burns Harbor, ESSROC Cement (Speed, IN)



# CAIR = BART for EGUs

- Analyzed impact of CAIR and BART on IN BART eligible EGUs
  - Used U.S. EPA CAIR IPM for 2013-2017 timeframe for projected controls
  - Considered current emissions and existing controls
- Results showed:
  - Some units currently meet presumptive BART
  - Some units installing or projected to install controls meeting or exceeding presumptive BART
  - CAIR may result in greater NO<sub>x</sub> reduction, BART in greater SO<sub>2</sub> reduction
- For now, CAIR = BART for EGUS for SO<sub>2</sub>/NO<sub>x</sub>, though Regional Haze reasonable progress goals could require additional EGU (as well as non-EGU) controls.



# Indiana Regional Haze SIP

- Indiana has participated in consultation calls with states potentially impacted by Indiana sources
- Indiana intends to submit a Regional Haze SIP on December 17, 2007
  - Received letters from most, but not all states with Class 1 areas which Indiana may impact
  - Intent is to submit SIP to Federal Land Managers in November for their 60-day comment period
  - An addendum to the Regional Haze SIP will likely be necessary in early 2008
- Continue to work with MWRPO states to develop regional technical support documentation and four factor analyses for inclusion in SIP