

Ohio SIPs and Redesignations

Regional AQ Workshop

October 10, 2007

Overview

- Ozone SIPs
- PM2.5
- Redesignations
- Regional Haze, BART

Ozone SIPs

- Cleveland 2002 Base Interim SIP; Will follow up with 2005 Base M work
- Cincinnati 2005 Base K/M SIP
- Both submitted prior to June 15, 2007
- Columbus ???
- Cincinnati and Columbus are currently Subpart 1 Basic areas. What will change?

Strategies

- CAIR
- NOx and VOC RACT
- AIM and Consumer Products
- E-Check replacement in Cincinnati (7.8 rvp, HVLP auto repaint and Cold cleaner degreasers)

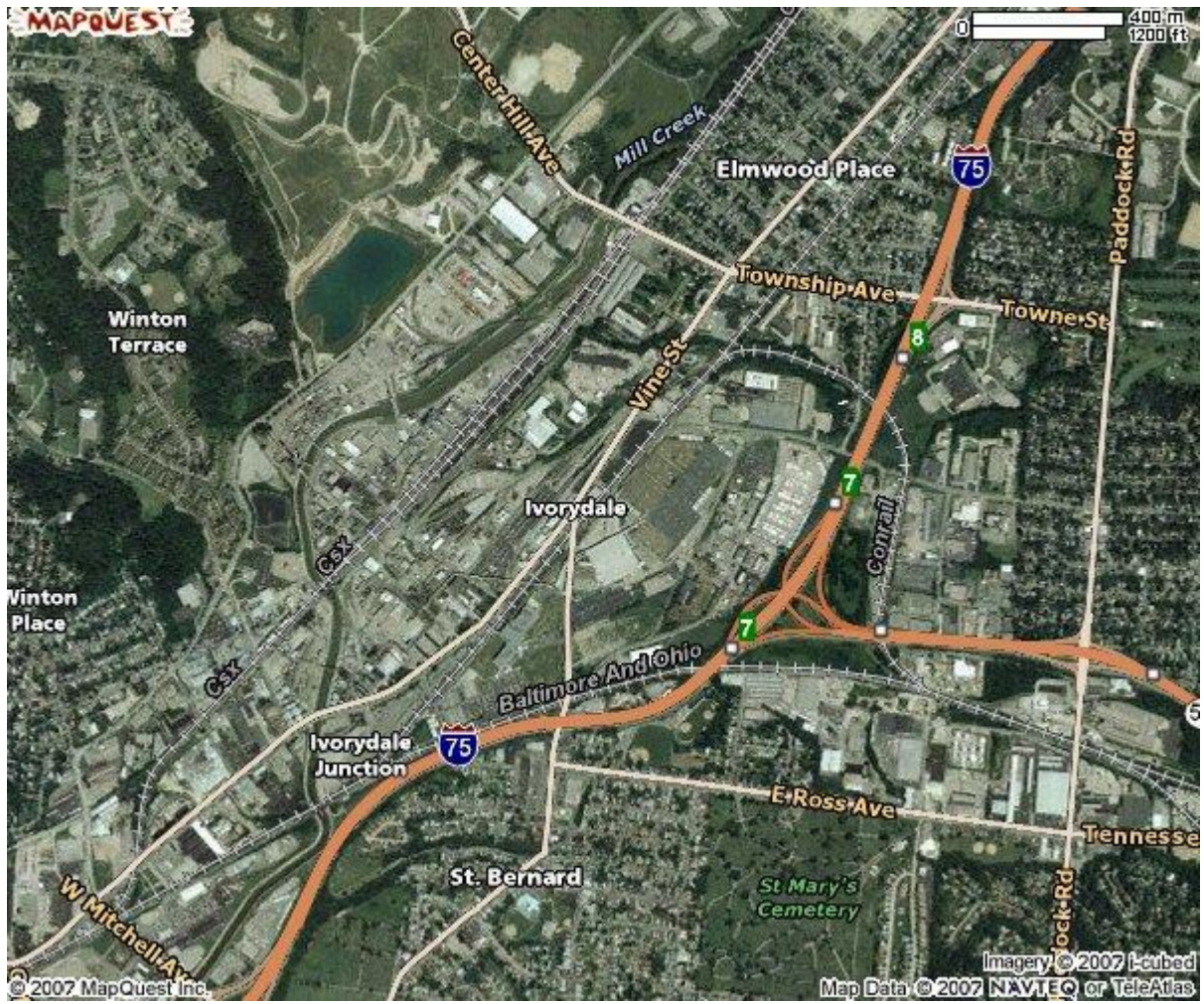
PM 2.5 SIPs

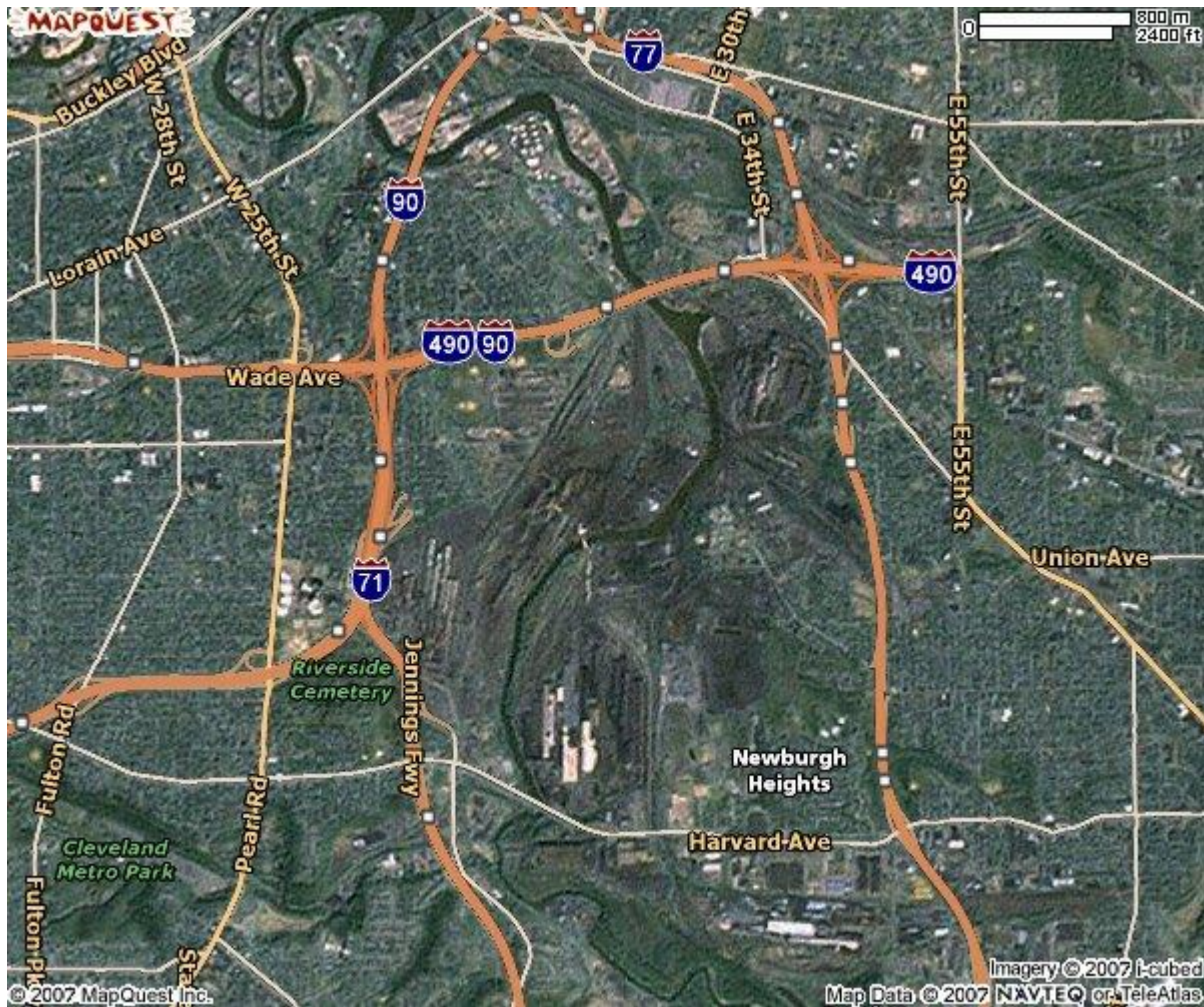
- Base K results indicated attainment in all areas but core areas of Cleveland, Cincinnati and Steubenville
- Local area inventories being prepared for AERMOD analyses
- Each area is unique

PM 2.5 (cont)

- Cleveland is both Industrial with significant steel plus high population and congested roadways
- Cincinnati area is in industrial (non-steel) high traffic corridor
- Steubenville is steel and related (rail) sources







PM 2.5 Strategies

- CAIR
- PM,NOx and SO2 RACT ???
- Local area controls

Local area PM2.5 controls

- Strategies not currently in regional modeling
- Local major point sources
- Congested roadways
- Diesel fleets
- Restaurants (California)
- Other nearby or regional small sources

Designations

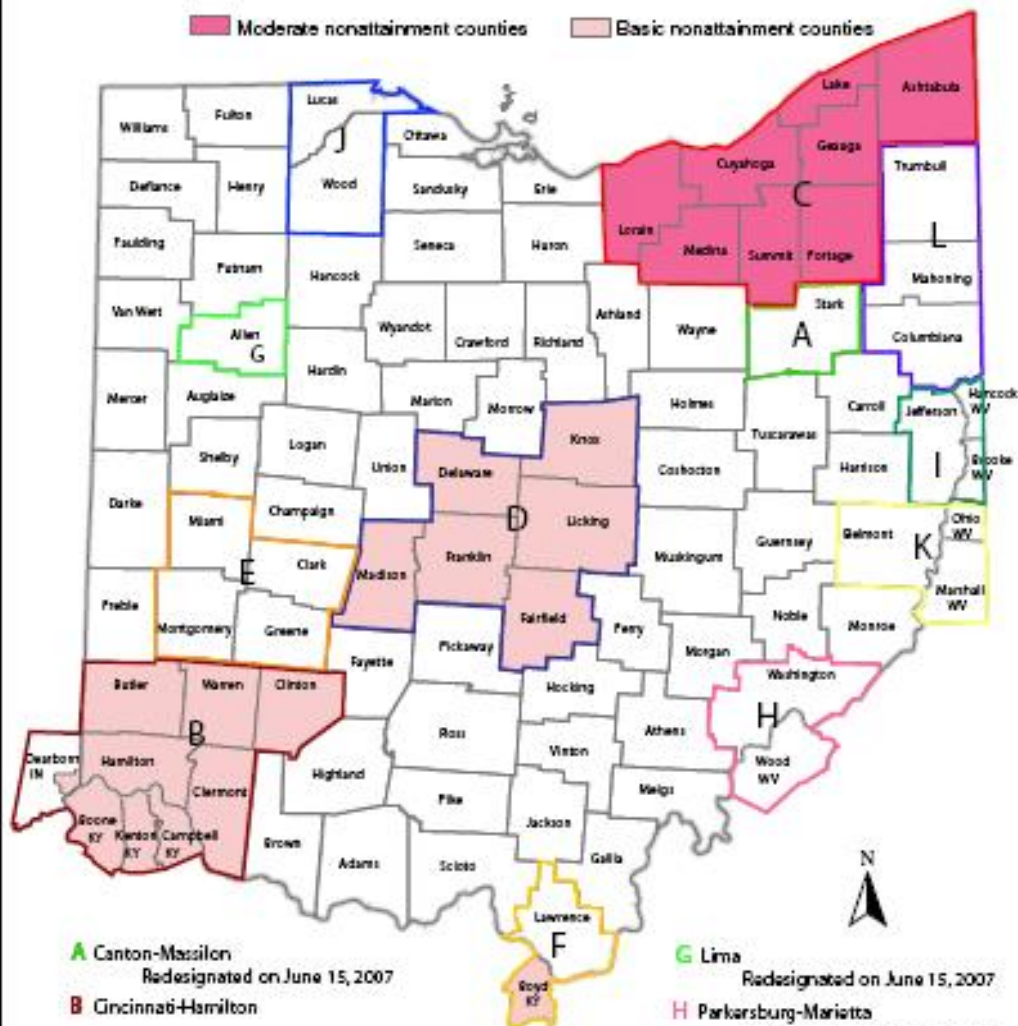
- Ozone redesignations
- PM2.5 recommendations

Ozone Redesignations

- Lima, Toledo, Canton, Youngstown, Steubenville, Dayton, Marietta and Wheeling WV (Belmont County Oh) were redesignated this year.
- Summer of 2007 has complicated the Columbus designation

Ohio Eight-Hour Ozone Nonattainment Areas

Moderate nonattainment counties
 Basic nonattainment counties



- | | |
|---|---|
| <ul style="list-style-type: none"> A Canton-Massillon
Redesignated on June 15, 2007 B Cincinnati-Hamilton C Cleveland-Akron-Lorain D Columbus E Dayton-Springfield
Redesignated on August 13, 2007 F Huntington-Ashland | <ul style="list-style-type: none"> G Lima
Redesignated on June 15, 2007 H Parkersburg-Marietta
Redesignated on June 15, 2007 I Staubersville-Weirton
Redesignated on June 15, 2007 J Toledo
Redesignated on August 9, 2007 K Wheeling
Redesignated on June 15, 2007 L Youngstown-Warren
Redesignated on June 12, 2007 |
|---|---|

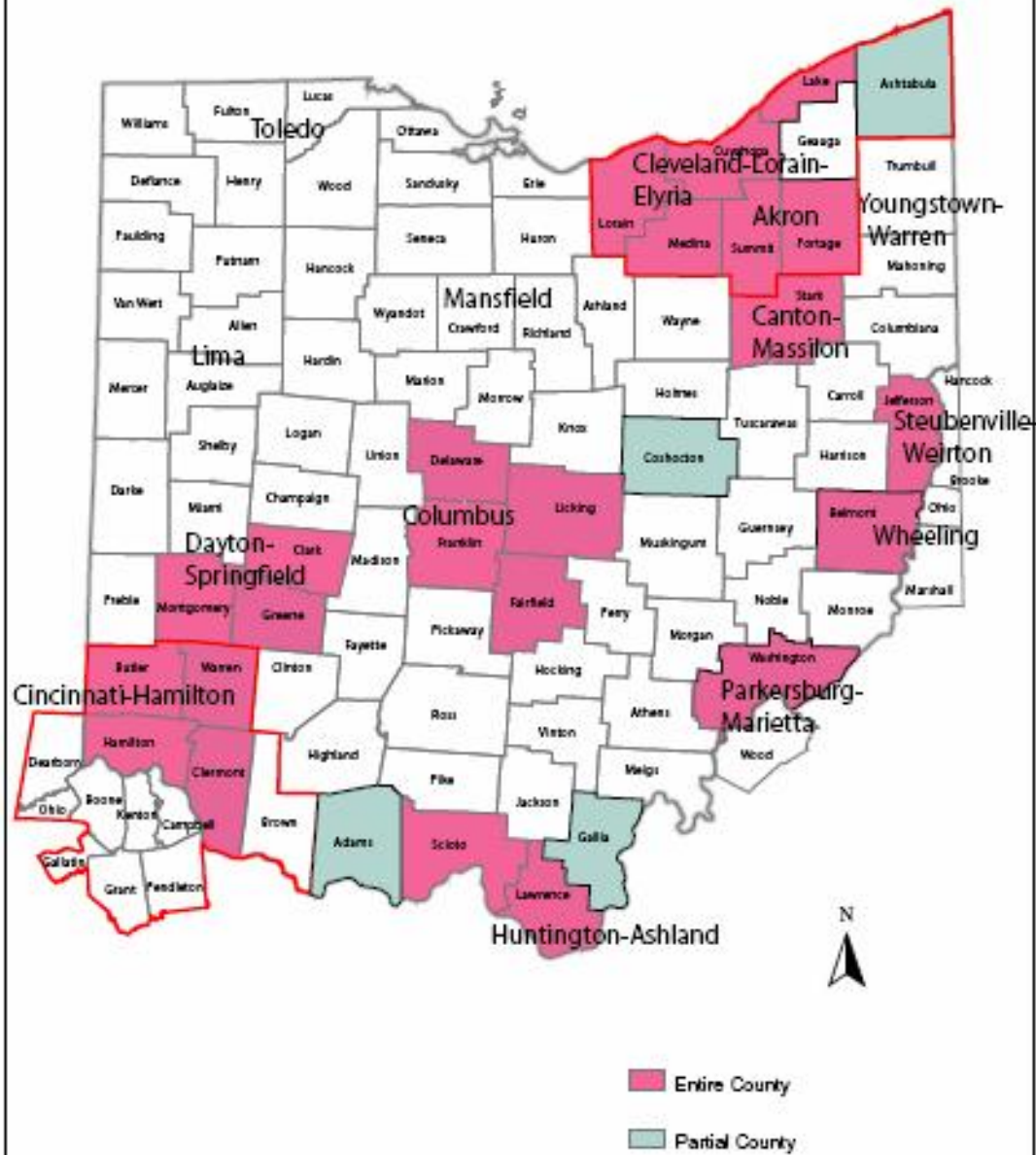
PM 2.5 recommendations

- Current designations (map)
- Probable additions

- MSA/CMSA not the default boundary
- County by county rationale

PM 2.5 Nonattainment

04/12/05



PM 2.5 recommendations

- Existing PM 2.5 designations ...plus....
Possible addition of Toledo and Youngstown areas
- Specific County evaluations may also result in differences
- Ohio looking at MPO boundaries
- Conformity implications of changing current area boundaries

BART/Regional Haze

- BART –
 - Document screening process
 - Result: 1 facility ‘subject to BART’
 - Reviewing Engineering and Cost Analyses for Glattfelter (Mead) boilers
 - Ohio EPA performing CALPUFF runs

BART and Regional Haze (cont)

- Regional Haze
 - Document Midwest RPO regional haze process and results
 - Address reasonable further progress control options
 - Interpret overall RFP from MRPO perspective
 - Address MANE-VU and VISTAS inter-RPO analyses and “Asks”