



# *Pb NAAQS*

Region 5 State, Local and Tribal Contacts Meeting 2011  
Motria Caudill, EPA Region 5

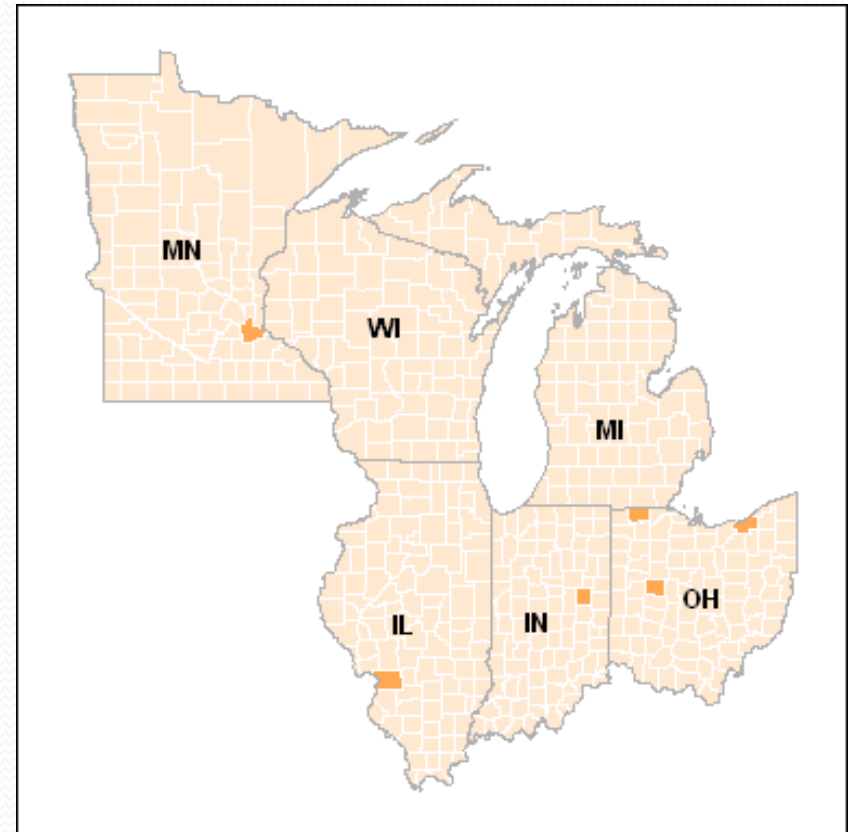
# Topics

- Designations based on historic Pb data
- New Pb-TSP sites running in 2010
- Second round of source-oriented monitoring

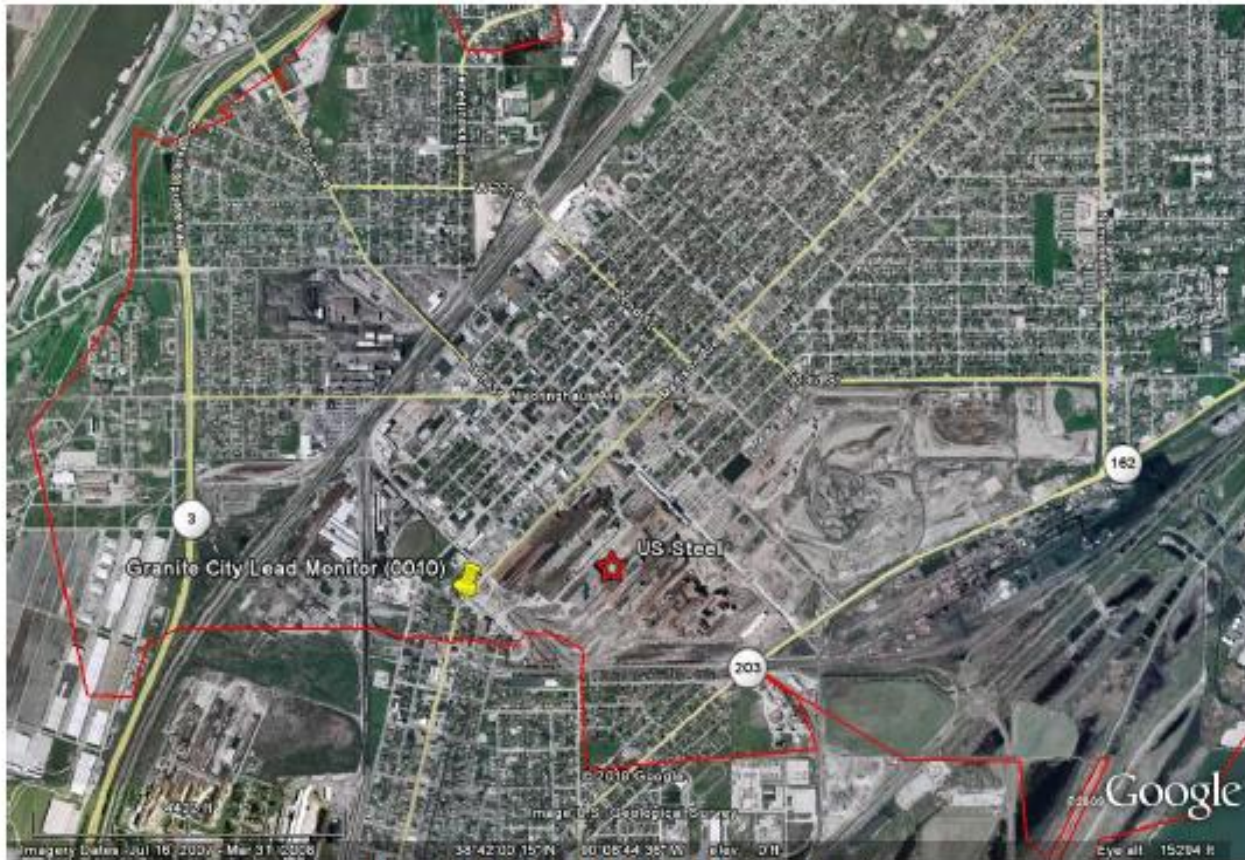
# Where are the initial nonattainment areas?

11.16.10: Promulgation of initial nonattainment designations

- 16 nonattainment areas nation-wide
  - 6 in Region 5
    - 3 in Ohio
    - 1 in Illinois
    - 1 in Indiana
    - 1 in Minnesota



# Nonattainment boundary – Granite City



- Boundaries include local Pb sources contributing to the exceedance as well as ambient air affected by elevated Pb levels
- Granite City zone expanded to include impacted residential areas

# Nonattainment boundary – Cleveland



- Which Pb sources contribute to exceedance?
- Cleveland – Ferro emissions unclear, nearby steel plants not believed to contribute Pb (although they emit tons of Mn)

# 2010 required Pb network

State	County	Facility	Status	Monitor site Code
IL	Cook	H. Kramer & Co.	nonattainment	170310110
IL	Macon	Mueller Co (Plant #4)	required	171150110
IL	Madison	US Steel Corp - Granite City	nonattainment	171190010
IL	Peoria	Caterpillar Inc. - Mapleton Plant	required	171430210
IL	Peoria	Keystone Steel & Wire Co	required	171430110
IL	Whiteside	Sterling Steel Co	required	171950110
IL	Winnebago	Gunite Corp.	required	172010110
IN	Delaware	Exide Technologies	nonattainment	180350009
IN	Lake	Mittal Steel USA, IN Harbor East	required	180890023
IN	Lake	Mittal Steel - IN Harbor West	required	180890033
IN	Lake	USS Gary Works	required	180890032
IN	Marion	Quemetco, Inc.	required	180970063
IN	Porter	ISG Burns Harbor LLC	required	181270023
MI	Ionia	Extruded Metals	nonattainment	260670003
MN	Anoka	Federal Cartridge Co - Anoka	required	270036020
MN	Dakota	Gopher Resource Corp.	nonattainment	270370465
MN	Stearns	Grede - St Cloud Inc	required	271453053
OH	Cuyahoga	Ferro Corp - Cleveland Frit Plant	nonattainment	390350049
OH	Cuyahoga	American Spring Wire Corp.	required	390350072
OH	Fulton	Bunting Bearings	nonattainment	390510001
OH	Logan	Daido Metal (closed '09)	nonattainment	390910006
OH	Marion	Nucor Steel	required	391010003
OH	Stark	Timken Co.Canton Bearing	required	391510017
OH	Trumbull	Ellwood Engineered Castings	required	391550012
WI	Sheboygan	Kohler Co.	required	551170008

- 25 required sites, including 6 historic nonattainment areas and 2 new ones: Belding, MI and Chicago, IL

# New sites (>0.5 TPY) for 2012

20 facilities, mostly waivers expected

- **IL - 5 sites:**
  - Kincaid (Christian Co.), Signode (Cook), Mittal (Cook), Alton Steel (Madison), Dynergy (Randolph)
- **IN - 1 site:** PSC Metals (Porter)
- **MI - 2 sites:** East Jordan Iron (Charlevoix), Grede (Tuscola)
- **MN - 1 site:** US Steel Minntac (St. Louis)
- **OH - 3 sites:**
  - I. Schumann (Cuyahoga), Severstal (Trumbull), Gavin Power (Gallia)
- **WI - 8 sites:**
  - Xcel (Ashland), Honeywell Cable (Kenosha), Motor Casting (Milwaukee), Appleton Coated (Outagamie), Thilmany (Outagamie), ThyssenKrupp (Waupaca), Electric (Winnebago), Fiber and Energy (Wood)

**Also, population-based sites at urban Ncore (500K)**

# 15 airports – 1 year study in 2012



- Oakland County International Airport (PTK) near Detroit, Michigan



# Nonattainment timeline

- For areas designated in November of 2010:
  - Attainment plans are due to EPA in June of 2012
  - Areas have until December 31<sup>st</sup> of 2015 to attain the standard
    - 3 consecutive years of 3-month rolling averages below  $0.15 \mu/m^3$
- Newly Deployed Monitors
  - EPA will designate new nonattainment areas in November 2011
  - Attainment plans for newly designated areas due to EPA June 2013
  - Additional areas may be added as exceedances occur

# Next steps

- ICP-AES method approved, so finally everyone can analyze their stockpiled TSP filters
- Please work with your modeling staff to get input & output files into the Region for timely review
- Region will turn around waiver requests promptly
- Questions?