US EPA Area Source Regulations Program Update

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Current Status

- 70 source categories will be subject to regulation.
- 50 source categories have been promulgated; 20 remain to complete and are in Bins 5 and 6.
- Most categories to be completed on June 15, 2009.
- Three categories will be extended into 2010 with actual dates pending legal negotiations (sewage sludge incineration and commercial/industrial boilers).
Bin 1 through Bin 2

- Covered mostly well-controlled categories with small amounts of facilities ranging from 1 source to 370 sources:
  - Primary nonferrous metal, primary copper, secondary copper, PVC Production
  - Carbon black, wood preserving, AMF production, Chromium compound mfg, Flexible foam production and fabrication, lead acid battery mfg.
- Rules were promulgated December 2006 and June 2007.
Bin 3 Rules

- Rules included more controversial area sources ranging from thousands of sources; larger reductions expected and implementation needs apparent:
  - Autobody, paint stripping, and miscellaneous coatings, glass mfg, iron and steel foundries and electric arc furnaces (EAF)
  - Clay ceramics and secondary nonferrous metals rules the exception: well controlled with smaller amount of sources.
- Rules promulgated December 2007
Four rules under a separate court order in the mix

- Oil and Natural Gas Production - published January 2007
- Gas Distribution/Bulk Terminals - published January 2008
- Reciprocating Internal Combustion Engines, new sources published January 2008
- Hospital Sterilizers, published January 2008
  - These rules primarily require management practices, with controls necessary for larger throughputs.
Bin 4 Rules

  - Affected an estimated 5,800 facilities nationwide
  - Equipment standards and management practices only – no additional controls
  - Utilized current practices
  - Compliance date July 25, 2011, or after July 2008 for new sources (initial startup.)
Bin 4 rules (cont’d)

- Plating and Polishing -
  published July 1, 2008
  - Affected an estimated 2,900 facilities nationwide
  - Equipment standards and management practices only – no additional controls
  - Utilized current practices
  - Compliance date is July 1, 2010, or July 1, 2008 (initial start-up) for new sources.
Bin 5 Rules – Promulgate
12/15/08

- Ferroalloys Production
  - Affecting 10 to 12 facilities
  - Expecting proposal September 2008
  - Utilizing current practices

- Chemical Manufacturing (similar to the MON)
  - Nine chemical manufacturing source categories will be consolidated into one rule
Categories included in Chemical Mfg rule are:
- Agricultural Chemicals and Pesticides Mfg.
- Industrial Organic Chemical Mfg.
- Synthetic Rubber
- Pharmaceutical Production
- Industrial Inorganic Chemical Mfg.
- Inorganic Pigment Mfg.
- Cyclic Crude and Intermediate Production
- Plastic Materials and Resins Mfg.
Bin 5 Rules (cont’d)

- 450 sources expected to be affected
- Baseline listed HAP = 1,100 tpy
  - 1,000 tpy organic HAP
  - 70 tpy metal HAP
- Expecting to publish a proposal September/October 2008
- Will promulgate December 15, 2008

- Bin 5 contacts are:
  - Ferroalloys: Conrad Chin at chin.conrad@epa.gov
  - Chemical Mfg.: Randy McDonald at mcdonald.randy@epa.gov
Bin 6 Rules

- Bin 6 includes categories with both large and small businesses -
  - Copper Foundries
  - Aluminum Foundries
  - Other nonferrous foundries (1000 facilities)
  - Chemical Preparation – 30 facilities
  - Prepared Feeds - 1800 but only <100 emit HAPs of interest)
  - Paint and Allied Products – 2500 facilities
  - Asphalt Roofing – 100 facilities
- Management practices expected; controls required if already common practice.
- Bin 6 rules expected to propose late fall, 2008.
Brochures and notification examples have been developed – can be found at:
  - http://www.epa.gov/ttn/atw/area/arearules.html#imp

Webcast for the Autobody rule was held the last week of July – access to webcast still available –
  - http://www.epa.gov/apti/schedule.html#anchor1
  - Also you can request a CD of this webcast to show to groups – please email Deborah Miller -- Miller.Deborahr@epa.gov

Collision Repair Campaign in full swing by Regions/OAQPS
  - Website has comprehensive information on resources at: http://www.epa.gov/air/toxicair/community/collision.html

Plain language fact sheets in English and Spanish, will be developed for several rules where a good majority of workers may not understand a brochure or regulatory text. (Any suggestions?)
Implementation (cont’d)

- EPA is conducting training sessions for Regional Offices – should help with assisting small businesses on their compliance requirements.

- May conduct web-based training on certain rules if enough requests are received.

- History, contacts, tools, and general information can be found on the Area Source Program Website

- Useful Compilation Table of all categories can be found at:
  - http://www.epa.gov/ttn/atw/area/compilation.htm
For more information

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- Area Source website with all rules and general information:
  - http://www.epa.gov/ttn/atw/area/arearules.html