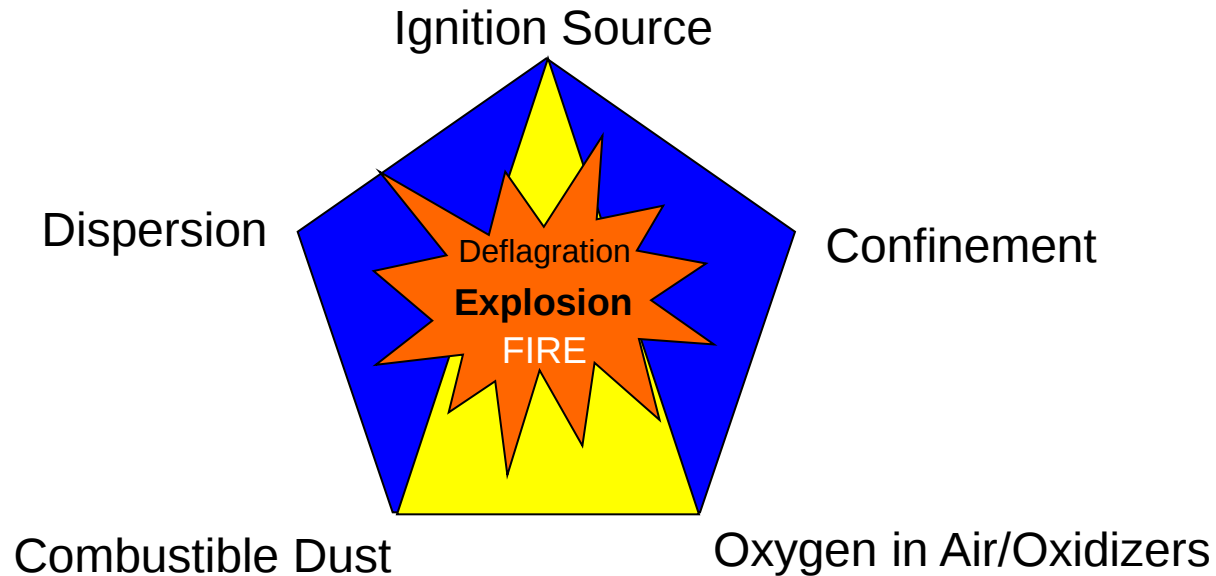


Combustible Dust National Emphasis Program And Rulemaking Efforts



October 20, 2010

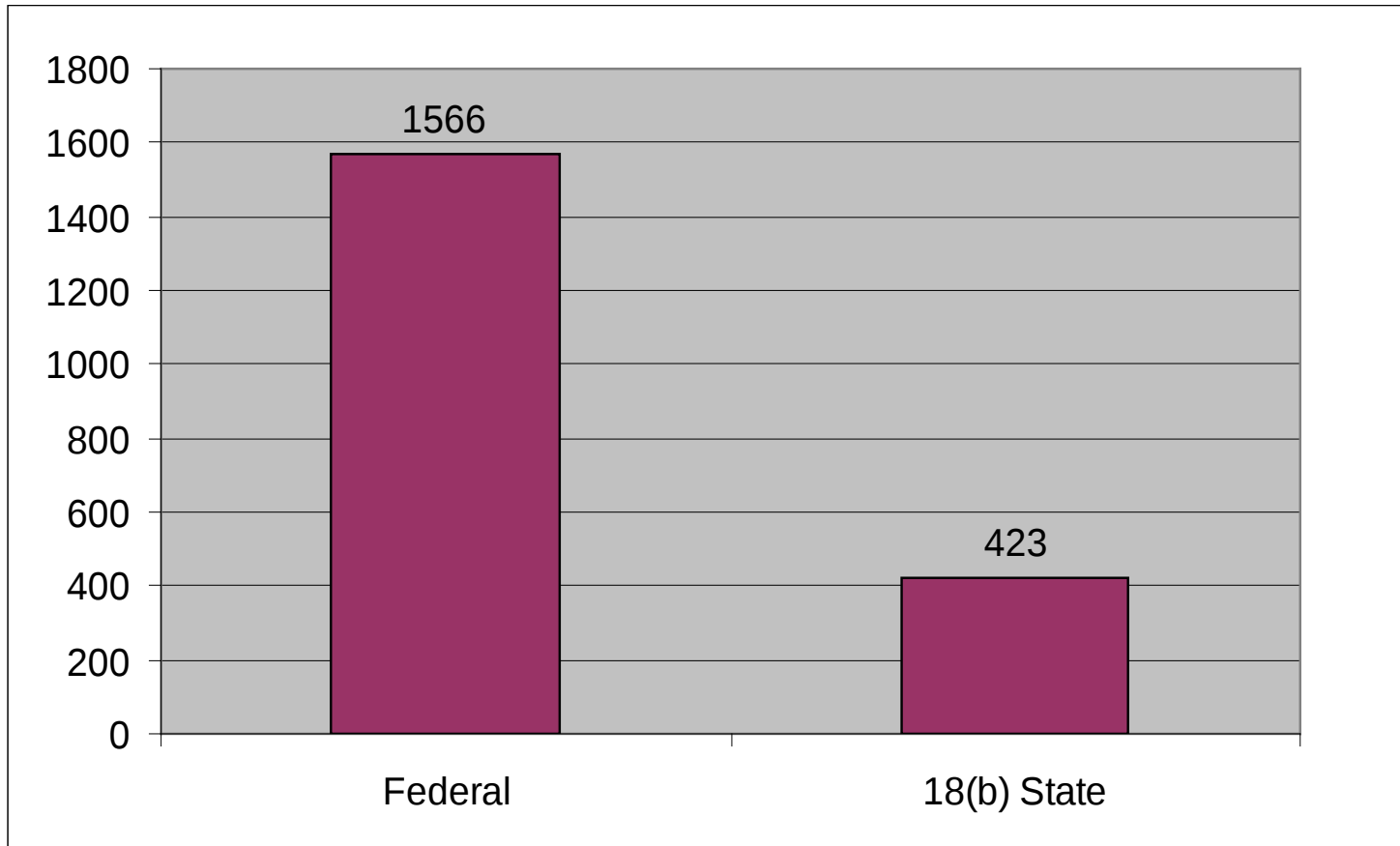
Overview

- Combustible Dust NEP
- Combustible Dust Rulemaking

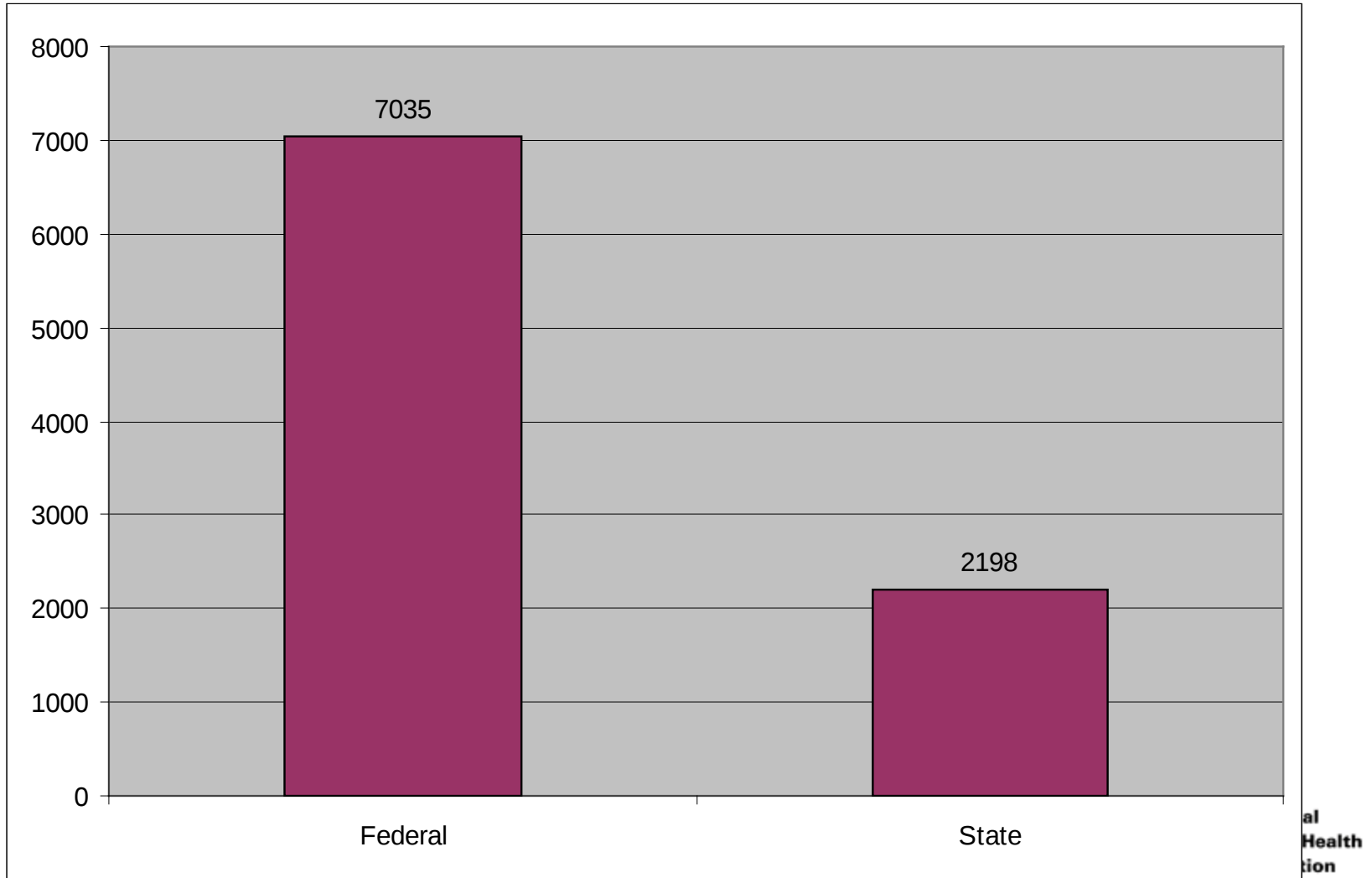
Combustible Dust NEP Status

- Number of Inspections
- Total Number of Violations
- Types of Industries Inspected
- Penalties Issued
- Combustible Dust Related Violations

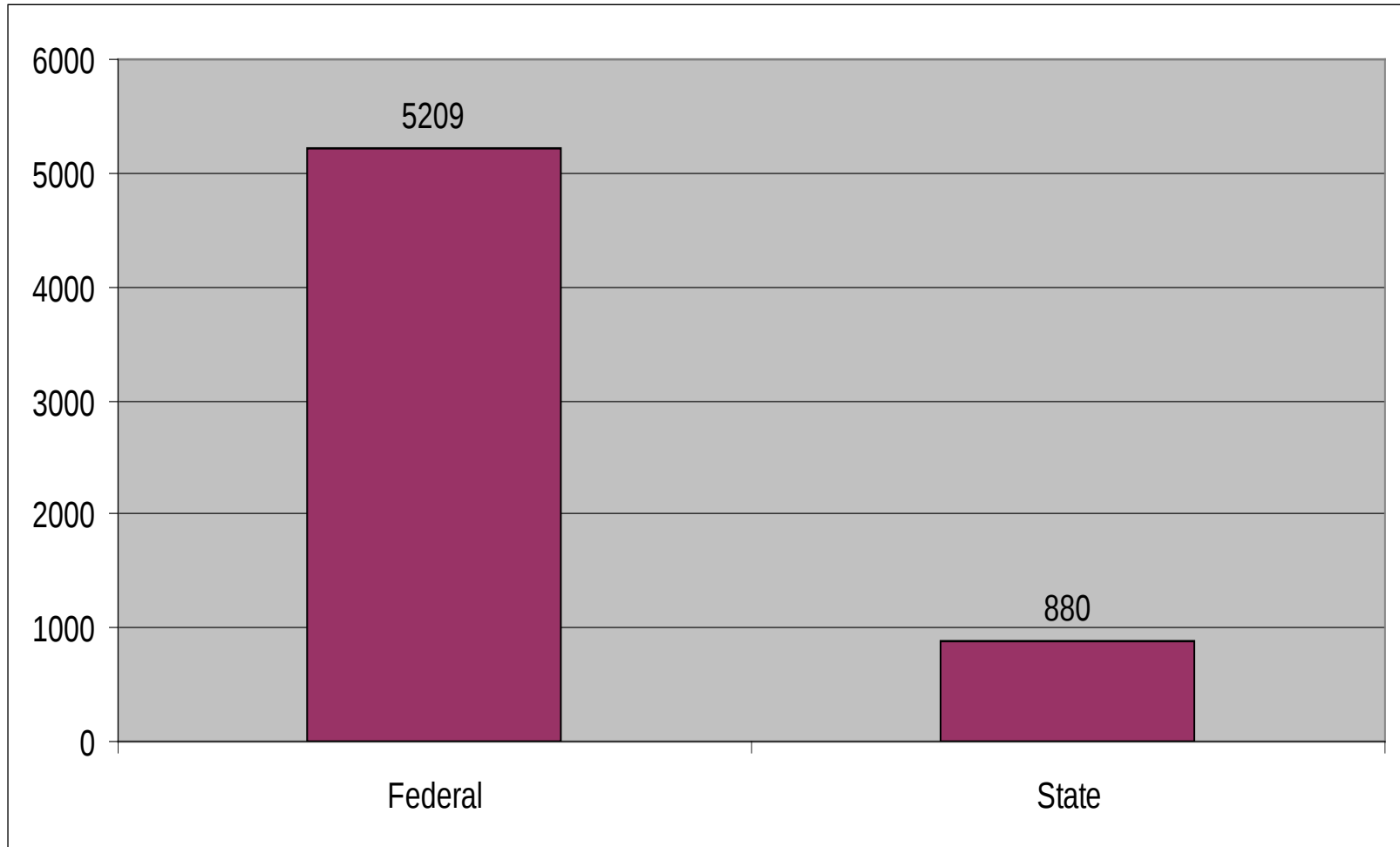
Number of Inspections



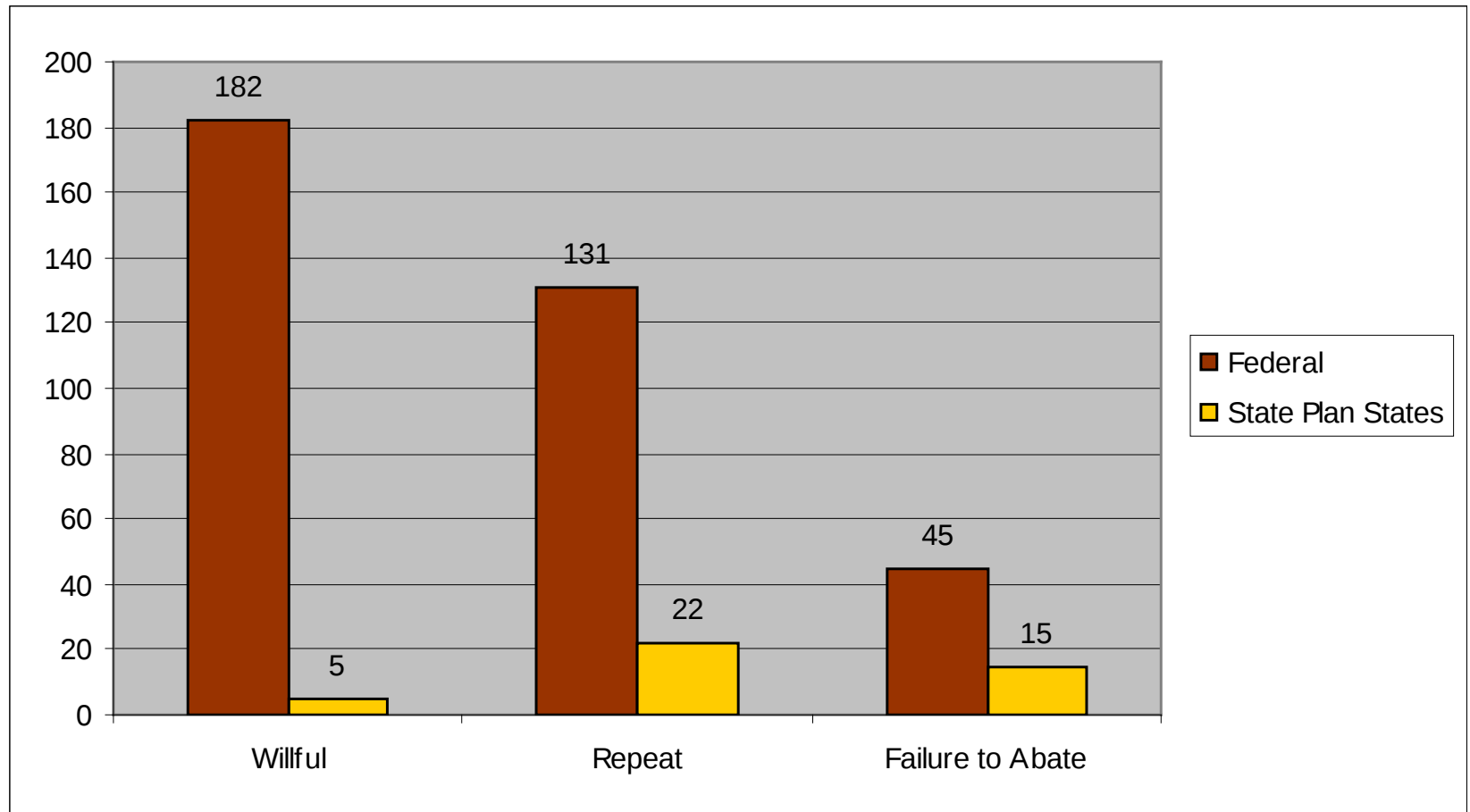
Total Number of Violations



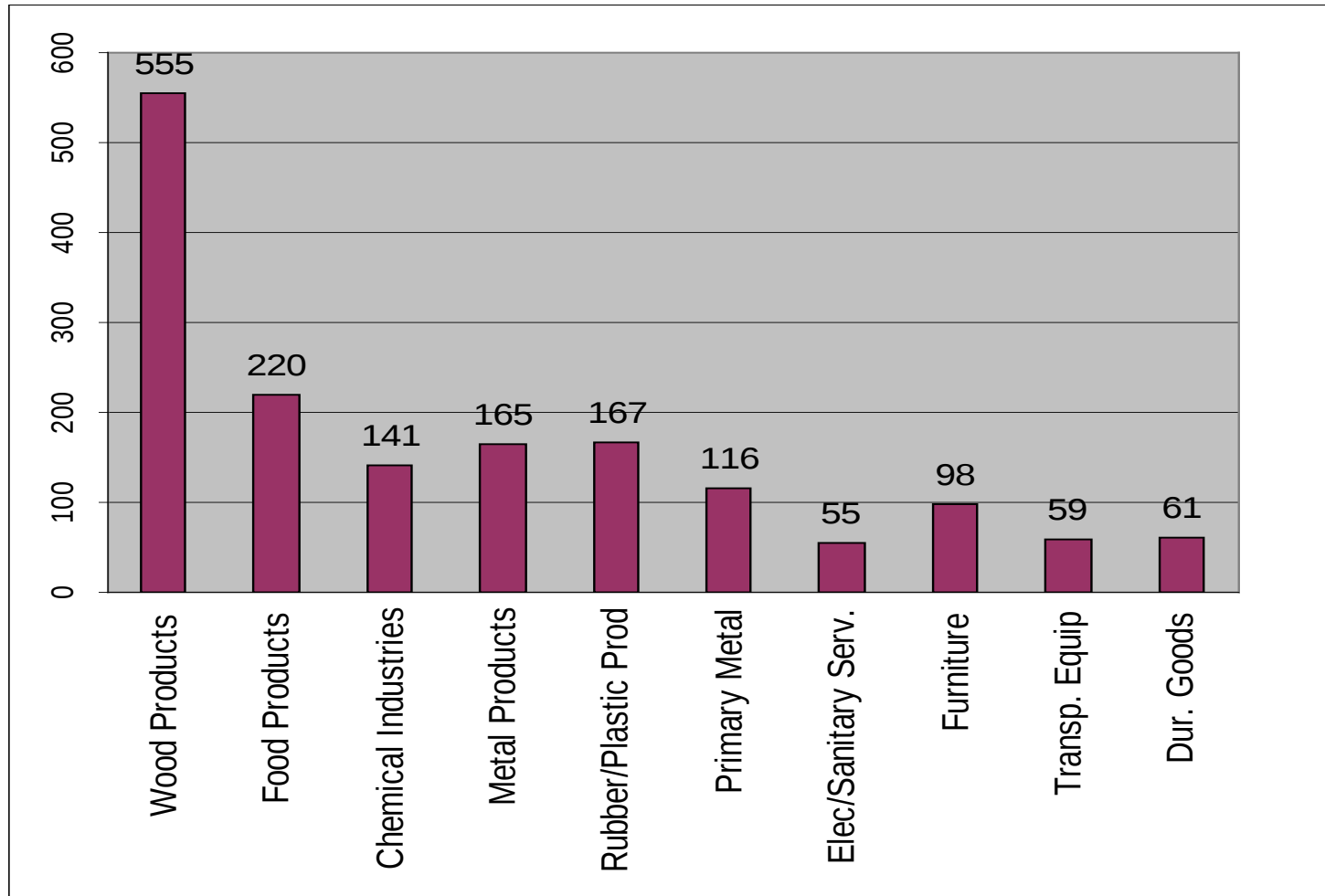
Number of Serious Violations



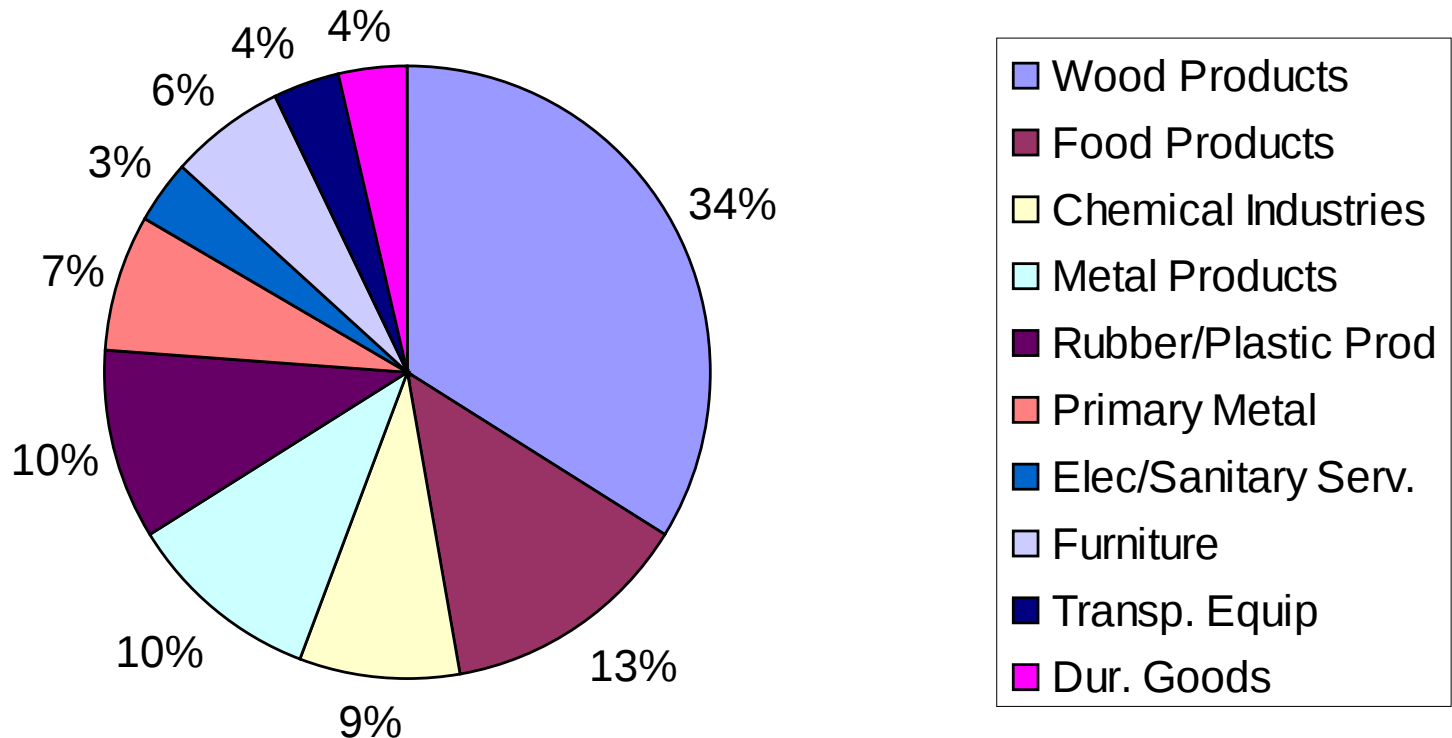
Willful, Repeat and Failure to Abate Violations



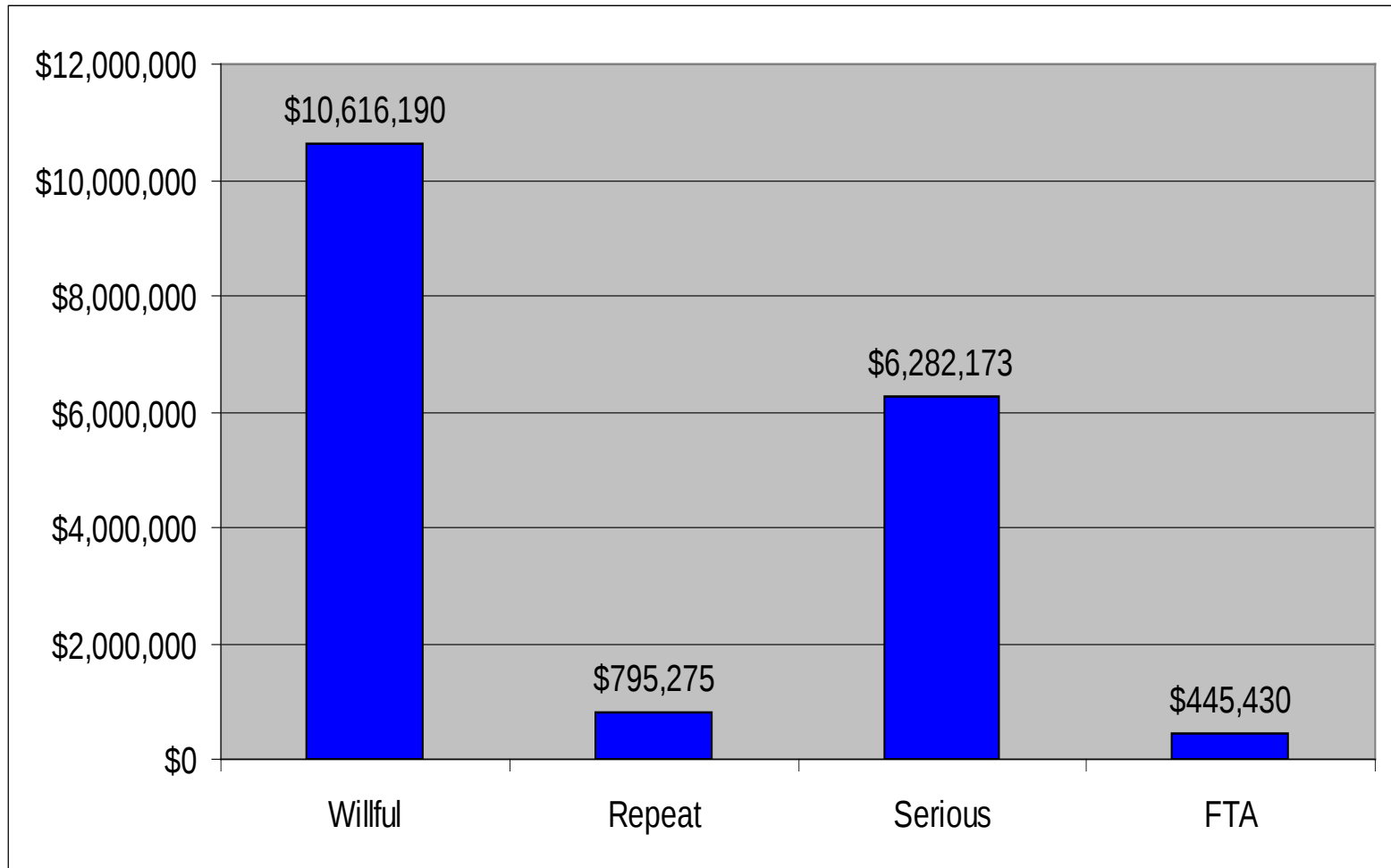
Types of Industries Inspected



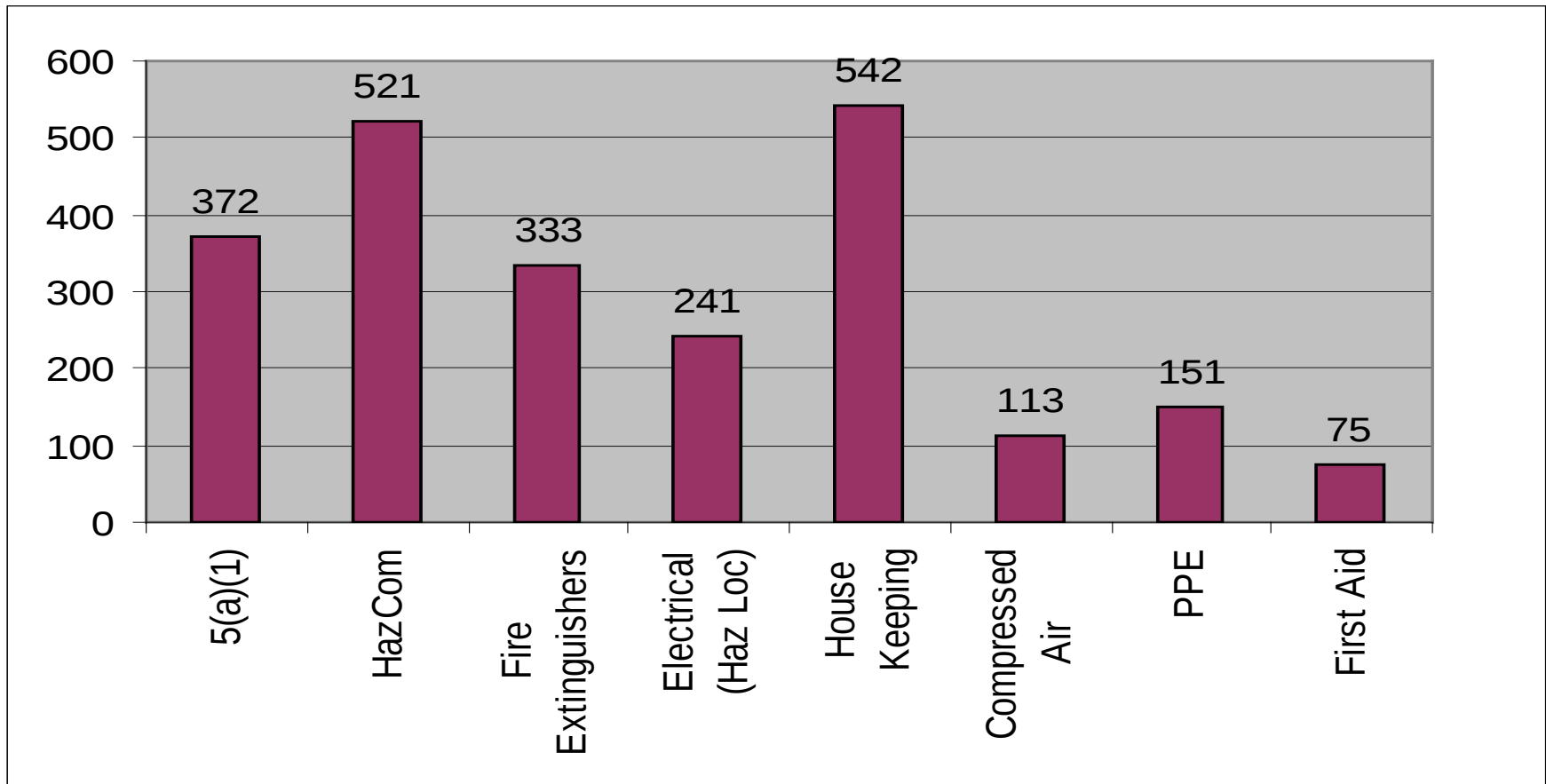
Types of Industries Inspected by Percent



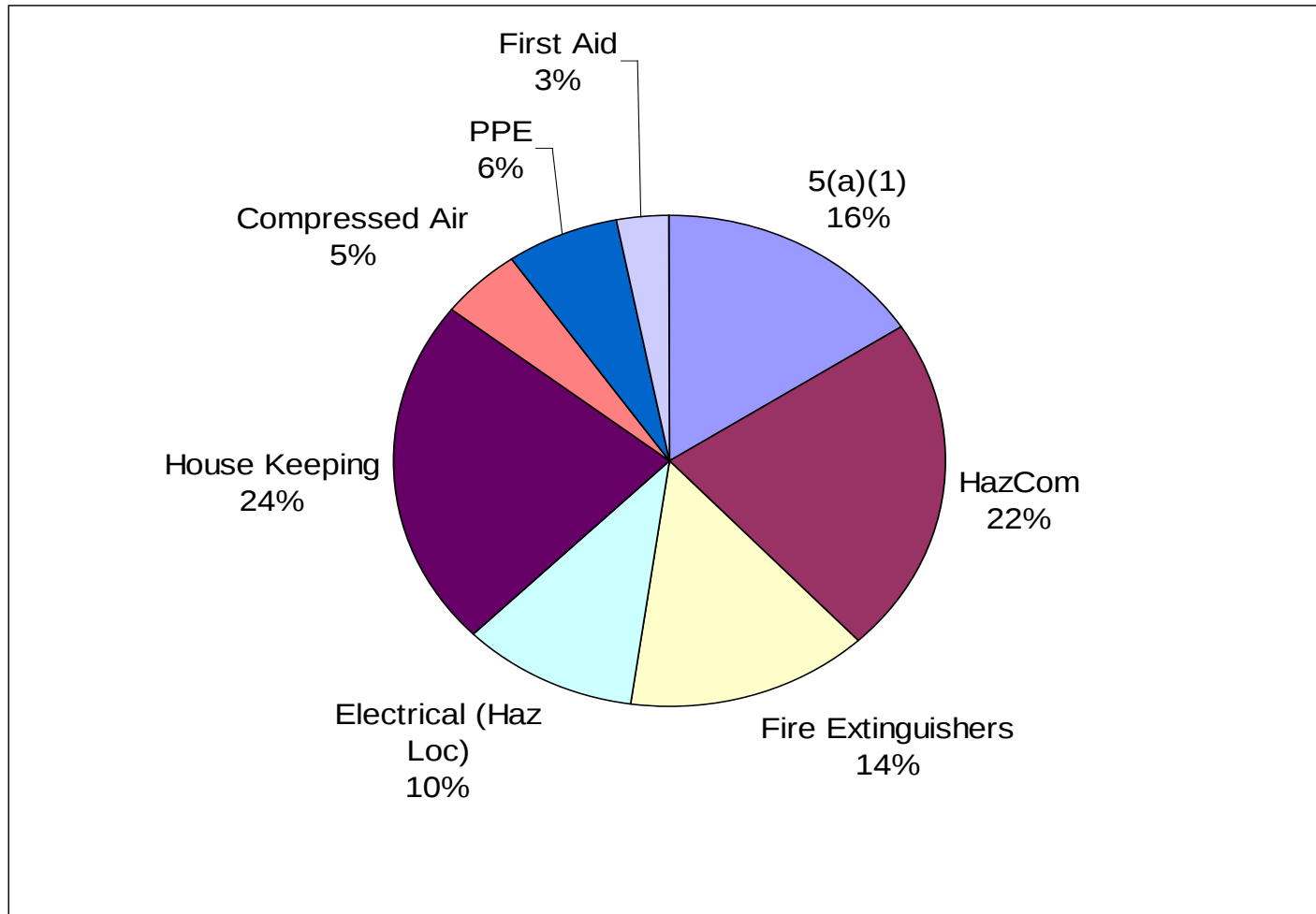
Penalties



Combustible Dust Related Violations --Federal



Combustible Dust Related Violations



Some Combustible Dust NEP Findings

1. Hazardous levels of dust accumulations in the workplaces due to poor housekeeping practices.
2. Electrical equipment and Powered Industrial Trucks not approved for locations handling combustible dusts.
3. Dust collectors were located inside buildings without proper explosion protection systems, such as explosion venting or explosion suppression systems.
4. Deflagration isolation systems were not provided to prevent deflagration propagation from dust handling equipment to other parts of the plant.

Some Combustible Dust NEP Findings

5. The horizontal surfaces such as beams, ledges and screw conveyors at elevated surfaces were not minimized to prevent accumulation of dust on surfaces.
6. Air from dust collector was recycled through duct work back into the work area without the protection of a listed spark detection system, high speed abort gate and/or functioning extinguishing system.
7. Magnetic separators and tramp metal separators were not installed or not functioning to prevent foreign material entering into process stream and potentially cause a spark.
8. Explosion vents on bucket elevator(s) and dust collectors were directed into work areas and not vented to a safe, outside location away from platforms, means of egress, or other potentially occupied areas.

Some Combustible Dust NEP Findings

9. Equipment (such as grinders and shakers) were not designed and maintained to minimize escape of dust into the surrounding work area.
10. Ductworks used in transporting combustible dust were not constructed of metal (conductive) and were not bonded or grounded to minimize generation and accumulation of static electricity.
11. Hot work (open flame or sparks from welding, cutting, grinding) was performed in the combustible dust handling areas without hot work procedures.
12. Silos, legs of bucket elevators were not equipped with explosion relief venting.

Some Combustible Dust NEP Findings

13. Enclosureless systems were allowed indoors where they were connected to sanders having mechanical feeds; where they were not emptied at least daily; where they were located in areas routinely occupied by personnel; and where they were not separated by at least 20 feet.
14. Compressed air was periodically used to clean up the combustible dust accumulation in the presence of ignition sources.
15. Portable Vacuum Cleaners were not approved for Class II locations.

OSHA Training

- 300 compliance officers have received specific combustible dust training
- Approximately 1400 state and federal compliance officers received webinar refresher training

Combustible Dusts Rulemakings Status

Advanced Notice of Proposed Rulemaking (ANPR)

- Issued in October 2009
- Comment period ended January 2010
- Comments can be viewed at www.regulations.gov
- Comments have been compiled
- Staff writing summaries of the responses to each question

Stakeholder Meetings

- Six meetings
- Web chat held on June 28, 2010, followed by a blog
- No additional meetings planned

Site Visits

- Eight visits so far.
- At least two more visits being planned.
- Completed reports can be viewed at www.regulations.gov
- If interested in hosting a site visit, please contact OSHA's Project officer.

Regulatory Agenda

- SBREFA Panel (Small Business) - April 2011
- Preliminary economic analysis is underway
- Time frame for the proposed rule is not yet on Regulatory Agenda

- Safety and Health Topics Page
- Fact Sheet
- Poster
- Safety and Health Information Bulletin (2005)
- HAZCOM dust guidance



Thank You!!!

Questions?