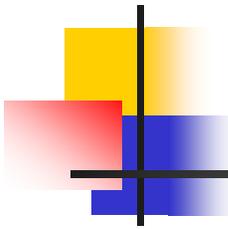


Coal Mine Safety: Overview

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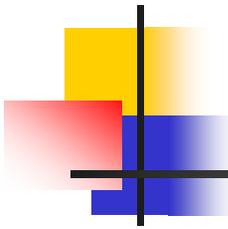
Facts About the U.S. Coal Industry

- Annual production of about 1.1 billion tons of coal
- Provides more than 50% of the Nation's electrical energy
- Recognized internationally as the leader in safety and health



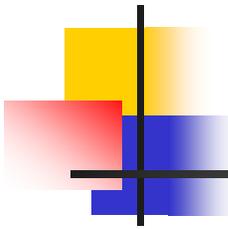
Overview of Coal Industry

- Approximately 2,000 coal mines
- Approximately 109,000 miner population (2004)
- Approximately 5,000 total injuries resulting in lost time injury rate of (3.96 in 2003)
- Fatalities: 28 in 2004 (fatality rate 0.027)
- Fatality rates have dropped over time:
 - 1977: 139
 - 1990: 77
 - 2004: 28



US Department of Labor: Mine Safety and Health Administration

- The mission is to:
 - Enforce compliance with mandatory safety and health standards as a means to eliminate fatal accidents;
 - Reduce the frequency and severity of nonfatal accidents;
 - Minimize health hazards; and
 - Promote improved safety and health conditions in the Nation's mines.



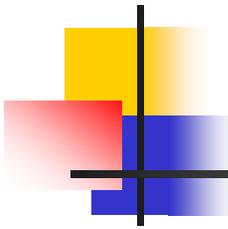
Enforcement Activities

- Each underground coal mine must be inspected 4 times per year
- Each surface operation must be inspected 2 times per year
- Citations are issued for violations with civil penalty (assessment)



India Coal Mines Safety and Health Project

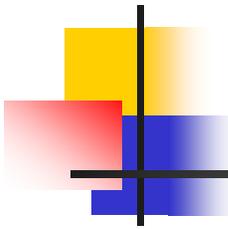
- Lead: US Department of Labor's Mine Safety and Health Administration, with Ministry of Labor Directorate General for Mine Safety
- Project period; 2000-2004
- Focus:
 - Five pilot mines with safety problems
 - Focused on training with workers and inspectors
 - Provided Mine Emergency Response and Disaster Training
 - Focused on more serious problems- roof falls and explosions
 - Provided root cause training



MSHA Resources

- Mine Safety and Health Education and Training Programs (www.msha.gov)
 - National Mine Health and Safety Academy, Berkley, West Virginia
 - Electronically available training materials:
 - Material Handling Safety
 - Mine Health and Safety Simulation Exercises
 - Hazard Communication
 - Job Task Analysis
 - Self-contained Self-Rescuers
 - Surface Powered Haulage Safety

Proposed CWG Activities



- Exchange Technical Safety Information
 - Safety alerts, safety flyers, information on equipment, health and safety hazards.
- Provide Training at the National Mine Health and Safety Academy
 - Identification of possible training opportunities
- Provide Access to Interactive Electronic Training Opportunities
 - Provide electronic access to courses including those described on previous slide
- Regulatory Information Exchange
 - Provide Federal statutory and regulatory information on requirements to achieved improved mine safety and health