



Knowledge





Safety Training Pays

- 7,229 or 49% of the Nation's mines had zero lost time or restricted work injuries in 2007
- These operations worked combined total of 151,748,796 employee hours
- Equivalent to 75,000 employee operation

Brookwood-Sago Grants

| | |
|--------------------|-----------|
| ■ Illinois | \$52,000 |
| ■ Penn State | \$100,000 |
| ■ UMWA | \$96,000 |
| ■ PA Dept of Mines | \$58,000 |
| ■ CO Div of Mines | \$50,000 |
| ■ Alabama | \$89,000 |
| ■ Kentucky | \$55,000 |

TOTAL

\$500,000

Safety Targets

- A new MSHA program that aims to:
 - Identify the top causes of fatalities
 - Provide information on how to prevent fatalities in your facility



21st Century Repeating 20th Century Fatalities

- Most fatalities not the result of major disasters
- Special emphasis on these “one at a time” repeating fatalities



2000-2008 leading fatality categories Coal

| | |
|------------------------------|------------|
| roof / rib falls | 56 |
| operating equipment surface | 27 |
| hit by equipment underground | 22 |
| fall from elevations | 19 |
| maintenance | 16 |
| lock and tag | 15 |
| operating equip. underground | 14 |
| block against motion | 10 |
| unsafe act | 10 |
| hit by equipment surface | <u>10</u> |
| TOTAL | 199 |

2000-2008 leading categories M/NM

| | |
|-----------------------------|------------|
| fall from elevations | 42 |
| operating equipment surface | 40 |
| maintenance | 22 |
| lock and tag | 22 |
| block against motion | 21 |
| hit by equipment surface | 15 |
| pre-op | 11 |
| roof / rib falls | 10 |
| communication | 10 |
| unsafe act | <u>7</u> |
| TOTAL | 200 |



■ Safety Target Packages

- Initial safety targets

 - most frequent types of accidents

 - 75% of one/two at a time fatalities over the last 8 years

- Secondary safety targets

 - Remaining 25% will be addressed after initial Safety Target Packages have been completed.



Safety Target Packets

- Packets will include:
 - DVDs
 - Safety bulletins
 - Instructional materials
 - Toolbox talks
 - PowerPoint Presentations
 - Miners' Tips
 - Products developed for a particular type of outreach



Past Outreach Successes

- Focused efforts to address fatality trends:
 - Fast feed accidents on roof bolters (1994)
 - 88% reduction - 16 to 3 fatalities
 - Surge pile hazards and fatalities (2000 & 2004)
 - 100% reduction - 16 to 0 fatalities
 - Crushing hazards with continuous miners (2004)
 - 100% reduction - 9 to 0 fatalities



Continuing What Works

- MSHA Mass mailings of Safety Information
- Support from State Agencies
- Implementation by the Mining Industry



Distribution and Availability

■ Monthly Distribution

- Newly updated Safety Target packages
- Safety Target packages under development

■ Package Availability

- Mass mailings
- MSHA website: http://www.msha.gov/Safety_Targets



Team Work

- We provide the material – you must use it
- Push awareness down to the worker level
- We can get to zero together

