MSHA: General Update

Brian Goepfert
Deputy Administrator
Mine Safety and Health Administration
The MSHA Mission

“to prevent death, illness, and injury from mining and promote safe and healthful workplaces for U.S. miners”
MSHA’s Tools

• Fair and consistent enforcement, including mandated inspections
• Compliance and technical assistance
• Training and education
• Rulemaking and policy guidance
U.S. Mining Fatalities 1912-2018

- Fatalities
- Fatal IR

3,679 fatalities in 2018

28 fatalities in 2018
MSHA Data for 2018

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td># of Mines Reporting Employment</td>
<td>13,055</td>
</tr>
<tr>
<td>- Coal Mines Only</td>
<td>1,192</td>
</tr>
<tr>
<td>- Metal/Nonmetal Mines Only</td>
<td>11,863</td>
</tr>
<tr>
<td>Total Industry Employment (including contractors)</td>
<td>331,933</td>
</tr>
<tr>
<td>MSHA Inspections/Employees</td>
<td>37,000/1900</td>
</tr>
<tr>
<td>Citations &amp; Orders Issued</td>
<td>97,788</td>
</tr>
<tr>
<td>Dollars Assessed (millions)</td>
<td>$54.5</td>
</tr>
</tbody>
</table>
MSHA’s Mine Portfolio

<table>
<thead>
<tr>
<th>Mine Type</th>
<th>Number of Mines</th>
<th>Share of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG Coal Only</td>
<td>411</td>
<td>2.8%</td>
</tr>
<tr>
<td>UG MNM Only</td>
<td>239</td>
<td>1.6%</td>
</tr>
<tr>
<td>UG Total</td>
<td>650</td>
<td>4.5%</td>
</tr>
<tr>
<td>All Surface</td>
<td>12,405</td>
<td>85.2%</td>
</tr>
<tr>
<td>Facilities Only</td>
<td>852</td>
<td>5.9%</td>
</tr>
</tbody>
</table>
Powered Haulage Safety Initiative

Powered Haulage accidents were responsible for 50% of fatalities in recent years; 13 of 27 (48%) in 2018

Preventing these accidents is a priority for MSHA, with a focus on:

• Mobile Equipment
• Belt Conveyors
• Seat Belt Safety
View from the Operator’s Cab
Actual Activity on the Ground
Large vehicles striking other vehicles or pedestrians have killed 24 miners since 2003
Belt Conveyors

• Seven miners killed working around belt conveyors since January 2017; four in coal, three in MNM

• Since 2008, 19 fatalities and more than 40 permanent injuries

• Guarding, lock-out tag-out, properly using crossovers - all essential for safety
Seat Belt Safety

• Three fatalities in 2017 and 2018, and 38 fatalities since 2007, involved miners not wearing seat belts

• 6000+ MSHA citations issued for failure to wear seatbelts since 2007 (most in MNM mines)
Powered Haulage Safety Outreach

We are distributing stickers, brochures and more to spread the word

Accidents involving conveyor belt systems injure and kill miners every year. Stay safe by following these best practices.
THREE FATAL ELECTROCUTIONS IN “SIX” WEEKS
Two in West Virginia (Coal – District 04)
One in Louisiana (M/NM – South Central)
Near miss situations such as “victim in Florida contacted high voltage by placing head in electrical box”

All have somethings in common:
1. “No Lock Out/Tag Out”
2. Not protected with appropriate PPE
3. Working on electrical equipment with Certified or Qualified persons present
4. Working – Not Troubleshooting
Contractors

• Nine of Nineteen Fatalities
• Contractors represent 25% of workforce
• Mine Act defines “operator” to include both owner/production operators and Independent contractors
• Operator & Contractor have equal responsibility for compliance of laws, standards & regulations
• Most (if not all) contractor fatalities show training deficiencies
Fire Suppression Failures

• In 2018, four mobile equipment fires in one month; fire suppression systems failed in all
• One miner killed, another injured
• Fire suppression equipment must be properly installed
• Miners should have a means to escape
• MSHA has inspected mine mobile equipment for effective suppression systems
One MSHA Initiative

• Blurring the distinction between Coal and Metal/Nonmetal enforcement for more efficient use of resources
• Cross training inspectors and updating systems to accommodate change where it makes sense
• Inspector expertise still required for certain mines
• Moved to Phase 2 with an additional 123 mines
• Total to date “blurred” 213 mines
Scofflaw Initiative

• Small share of operators are chronically delinquent and have poor safety records; worst violators selected each month

• Payment plans proposed/established with total commitment of $5.8 million

• 35 mines paid in full for $2.1 million

• 51 104(a) citations issued; 24 104(b) orders issued but none currently active
In Summary: MSHA Today & Tomorrow

• IT Modernization
• Health Focus
• Workforce for the 21st Century
• Regulatory Review
  - Dust
  - Diesel Emissions
  - Powered Haulage
Questions?