TRAM Conference Keynote
October 10, 2018

David G. Zatezalo
Assistant Secretary of Labor
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
• Rulemaking and policy guidance
• Training and education
Training Saves Lives

- Training deficiencies are a root cause in many miner fatalities
- Task training especially important in preventing serious accidents
- MSHA can help through on-site assistance, web resources, and conferences like this one
MSHA Training Grants

Recently distributed:

• $10.5 million in state grants for mine safety
• $250,000 in Brookwood-Sago grants for underground mine safety

2019 budget is approved - flat funding – expect smoother award process this year
U.S. MINING FATALITIES  COAL and METAL/NONMETAL  2008-2018*

2017 – Record low MNM fatalities

*Data as of Sept. 13, 2018.
ALL MINING FATALITIES 1912-2017

3,679

28 fatalities in 2017
MINING REPORTABLE INJURY RATES 2008-2017

*The all injury rate represents the number of reportable injuries per 200,000 exposure hours.

NOTE: State employment data reflects operator employment only (contractors do not report employment by state). Therefore, state data only includes operators, while National data includes both operators and contractors.

Data as of April 30, 2018.
## MSHA Highlights 2017 and mid-2018

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018 YTD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong># of Mines Reporting Employment</strong></td>
<td>13,102</td>
<td>12,257*</td>
</tr>
<tr>
<td>- Coal Mines Only</td>
<td>1,216</td>
<td>1,099*</td>
</tr>
<tr>
<td>- Metal/Nonmetal Mines Only</td>
<td>11,886</td>
<td>11,158*</td>
</tr>
<tr>
<td><strong>Total Employment</strong></td>
<td>321,312</td>
<td>317,364*</td>
</tr>
<tr>
<td><strong>MSHA Inspections Completed</strong></td>
<td>39,823</td>
<td>28,848</td>
</tr>
<tr>
<td><strong>Citations &amp; Orders Issued</strong></td>
<td>104,682</td>
<td>75,667</td>
</tr>
<tr>
<td><strong>Dollars Assessed (Millions)</strong></td>
<td>$55.39</td>
<td>$43.13</td>
</tr>
</tbody>
</table>

Data run on 10/4/2018

* Q1-Q2 only, as employment data for Q3 not available until late October
** Excluding Special Emphasis Programs (E17)
Fire Suppression Failures

• Three vehicle fires in September: two rock trucks, one hydraulic shovel
• 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
Powered Haulage Safety

Powered Haulage accidents are low-frequency, high-consequence events

- 50% of fatalities in 2017
- More than 50% of fatalities (9 of 16) so far in 2018

Preventing these accidents is a priority for MSHA! Focus on mobile equipment, seatbelts and conveyor systems
Mobile Equipment

Large vehicles striking other vehicles or pedestrians have killed 4 miners since January 2017; at least 24 since 2003
Actual Site Activity Outside of Driver's Line of Sight
Seatbelt Usage

• Three fatalities in 2017, 35 since 2007, involved miners not wearing seat belts

• 6000+ MSHA citations issued for failure to wear seatbelts since 2007

Loader operator saved by wearing seat belt
Belt Conveyors

• Seven miners killed working around belt conveyors since January 2017: four in coal, three in MNM
• Total of 19 conveyor-related fatalities and 41 conveyor-related permanent injuries since 2008
• Guarding, lock-out tag-out, properly using crossovers, all essential for safety
Powered Haulage Safety Outreach

MSHA is distributing stickers, brochures and more to spread the word
Powered Haulage Safety Ideas

• Seeking your ideas to prevent these accidents from occurring

• Formal Request for Information open for comments until December 24, 2018, see www.msha.gov/poweredhaulage

• A powered haulage safety plan?
Questions?