

Worker Safety: Reduce Miner Injuries

Goal Leaders: David Zatezalo, Assistant Secretary, Mine Safety and Health Administration (MSHA), Kevin Stricklin, Acting Administrator, Metal/Nonmetal Safety and Health, and Tim Watkins, Acting Administrator, Coal Safety and Health

Deputy Goal Leader: Sheila McConnell, Director, Standards, Regulations and Variances

Theme: Worker Safety and Health

Overview

Goal Statement

- By September 30, 2019, reduce the reportable injury rate associated with powered haulage equipment, the primary cause of miners' injuries, by 10 percent per year based on a rolling 5-year average per 200,000 hours worked.

Challenge

- MSHA works to prevent death, illness, and injury from mining and promote safe and healthful workplaces for U.S. miners. Since 2013, total injury and fatality rates have declined by approximately 26 percent and 17 percent respectively. However, MSHA has determined that accidents caused by powered haulage equipment, which is a category of moving machines used to transport miners or haul materials in surface and underground mines, contributed to 30 percent of fatalities since 2013, and is the primary cause of miners' injuries. The stated goal supports the Agency's continued efforts to reduce fatalities and injuries at all mines.

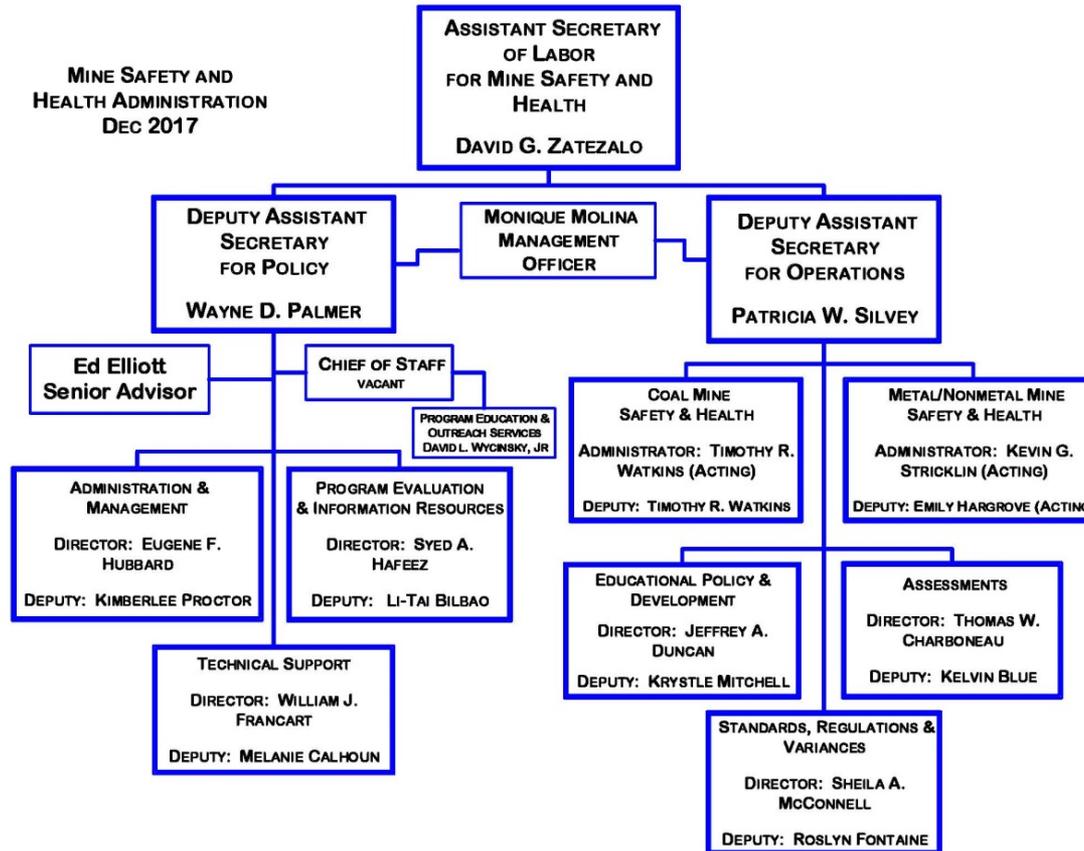
Opportunity

- MSHA will work to reduce fatalities and injuries by targeting workplace hazards that represent a primary cause of fatalities and injuries.

Leadership

Core Team:

- David Zatezalo, Assistant Secretary, Mine Safety and Health Administration
- Kevin Stricklin, Acting Administrator, Metal/Nonmetal Safety and Health
- Tim Watkins, Acting Administrator, Coal Safety and Health
- Sheila McConnell, Director, Standards, Regulations and Variances



Goal Structure & Strategies

Strategies:

- Continue mandated inspections of mine sites: four times per year for underground mines and two times per year for surface mines.
- Conduct technical compliance assistance visits with mines, including providing best practices focused on the safe use of powered haulage equipment.
- Enhance mine operator and miner training regarding powered haulage equipment safety.
- Review powered haulage accidents to identify root causes or patterns, if any, that can serve as focus of targeted initiatives.
- Optimize use of technology and other innovations in mining activities involving powered haulage equipment.
- Invite Alliances, mining associations, labor organizations, mining companies, and state agencies to partner with MSHA in efforts to focus on powered haulage injury reductions.
- Publish on MSHA's website weekly near miss and serious accidents focusing on powered haulage accidents and injuries.
- Provide training specific to reducing accidents caused by powered haulage equipment at Mine Safety and Health Conferences.

Summary of Progress – FY18 Q2

In the second quarter of FY 2018, MSHA established a cross-Agency oversight and implementation team called the Powered Haulage Action Plan team. MSHA charged this group with refining the Agency Priority Goal (APG) strategies, developing a more robust and targeted action plan, reviewing relevant data, and developing new milestones. The Powered Haulage Action Plan group will coordinate and track the agency's progress on this initiative. The group will also help to facilitate cross-agency communication through an email list and biweekly meetings.

During the second quarter, MSHA leadership promoted the APG on powered haulage through numerous presentations at mine safety conferences across the country and via the agency's quarterly training & stakeholder call with mine safety professionals. The initial focus is on seat belt usage, conveyer belt safety, and incidents of large powered haulage equipment striking smaller vehicles.

Additionally, Coal Mine Safety and Health used its Compliance Assistance Program representatives to discuss Powered Haulage issues at both surface and underground coal mines. The representatives covered areas such as seat belts, pre-operational checks, maintaining control, communication, lock and tag, and blocking against motion.

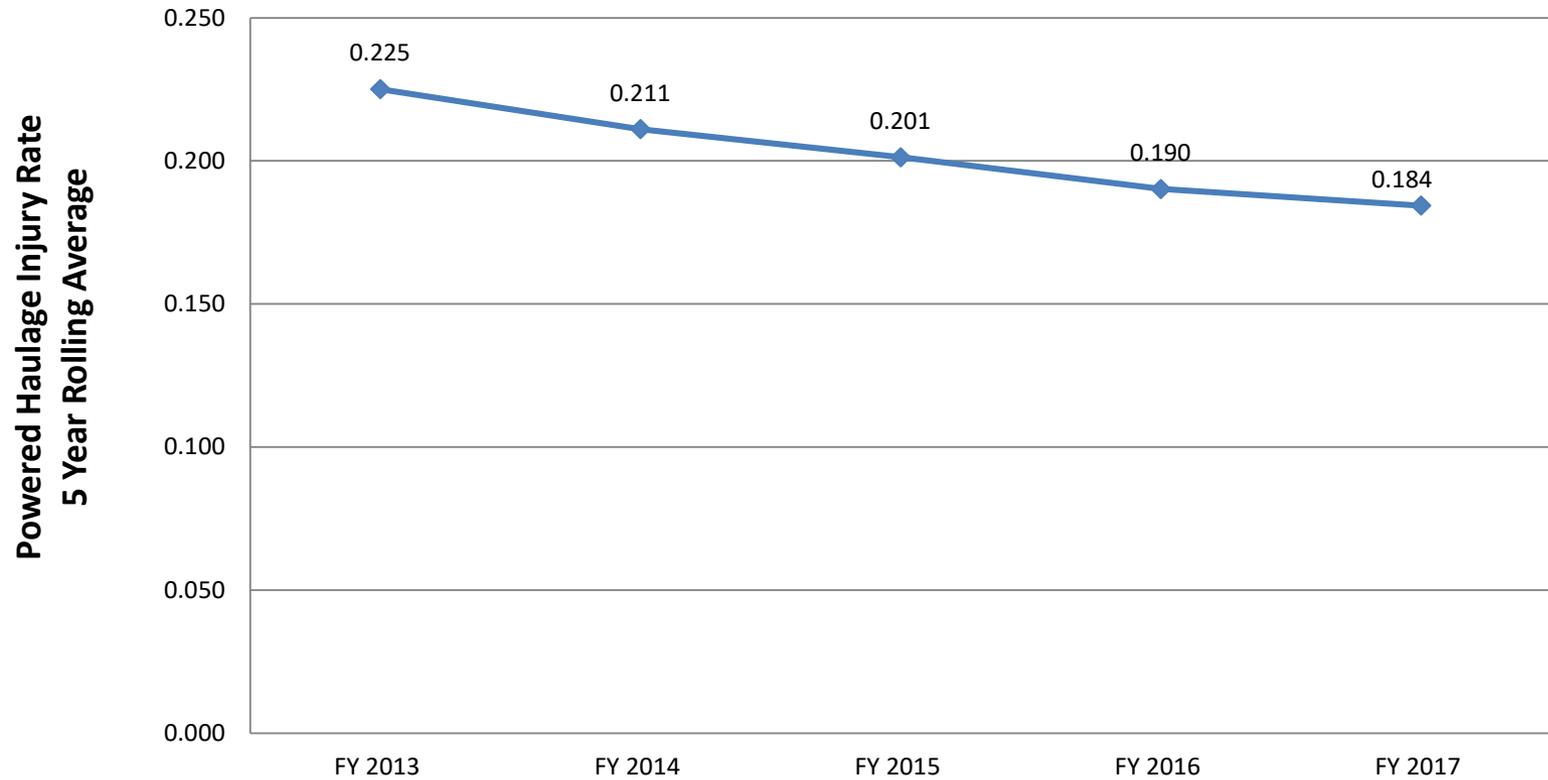
NOTE: FY 2018 will be the first year MSHA will have this goal as its focused Agency Priority Goal. Since this is an annual goal, MSHA will first report on progress during the first quarter of FY 2019.

Key Milestones

Milestone Summary					
Key Milestone	Milestone Due Date	Milestone Status	Change from last quarter	Owner	Comments
Review Accident Data involving Powered Haulage to identify root causes of accidents	Oct 1, 2018	On-Track	N/A	M/NM, Coal, PEIR	MSHA will report quarterly progress on this milestone.
Develop Rollout Plan on addressing corrective actions to the root causes	Dec 31, 2018	On-Track	N/A	M/NM , Coal, EPD, Tech Support	MSHA will report quarterly on this milestone.
Rollout Plan	Jan 2019	On-Track	N/A	M/NM , Coal, EPD	MSHA will report quarterly on status of implementation.
Complete Rollout Plan	July 2019	On-Track	N/A	M/NM , Coal, EPD	
Evaluate effectiveness of Powered Haulage Accident Reduction Initiative	August 2019 – Oct 2020	On-Track	N/A	M/NM, Coal, PEIR	Note: while MSHA believes the development and rollout of actions to meet the goal will take time, MSHA will report the measure in first quarter of FY19.

Key Indicators

5-Year Rolling Average Injury Rate (per 200,000 hours worked) Caused by Powered Haulage Equipment



Data Accuracy and Reliability

The MSHA Standardized Information System (MSIS) is the Agency's core information management and data repository system. MSIS collects and maintains information about mines, mine operations, miner and instructor qualifications and certifications, certification of mining equipment, mine inspections, mine accident, injury, employment and production information, coal dust sampling management, and infractions of mandatory safety and health standards.

Injury data is self-reported by the operators on MSHA Mine Accident, Injury, and Illness Report, form 7000-1. These reports are submitted to MSHA within 10 work days after an accident occurrence.

Additional Information

Contributing Programs

Organizations:

- MSHA
- Coal , M/NM, EPD, PEIR, Tech Support

Regulations:

- 30 CFR (Mineral Resources): 56/57.9100; 56/57.9200; 56/57.14200; 56/57.14130; 77.404;77.1400; 77.1600; 75.1725; 75.140375.500; 75.1000; 75.1400

Tax Expenditures:

- N/A

Policies:

- Policies are for the standards listed in Regulations

Other Federal Activities:

- N/A

Stakeholder / Congressional Consultations

Feedback and suggestions obtained from stakeholders during the rollout phase will be incorporated into updating the rollout plan, and their ideas and suggestions will also be incorporated into future initiatives.