Safety/Health Alerts

• Fire Safety Alert – Surface Mine Equipment
  • MSHA has documented nine equipment fires involving Hitachi excavators and shovels; Caterpillar haul trucks, front end loaders and dozers.

• 3M Fall Protection announces an immediate stop use and product recall of the 3M™ DBI-SALA® Nano-Lok™ edge and Wrap Back Twin-Leg Self Retracting Lifelines.
Close Call/Serious Accident

• **Surface Iron Ore** – April 29, 2019
  • A miner suffered minor injuries when his haul truck traveled over the edge of a stock pile dump point causing the truck to roll onto its top. **The driver was wearing a seat belt.**

• **Surface Crushed Marble** – June 17, 2019
  • A front-end loader backed over a highwall, and the fall projected material from the loader bucket through the windshield. The operator was able to climb out of the cab and only suffered minor injuries. **The operator was wearing a seat belt.**
MSHA Special Initiatives

• **Fire Suppression Systems**
  • Hand in hand with the Fire Safety Alert
  • inspectors conducting extensive inspections of systems

• **Powered Haulage Safety**
  • Accounts for approximately half of all U.S mining fatalities – 13 of 27 in 2018
  • Power Haulage includes mobile equipment, conveyor systems, and anything else under power that hauls people or materials.
  • MSHA has made the prevention of Powered Haulage accidents a priority!
    • Initial focus will be on **mobile equipment at surface mines, seat belt usage and conveyor belt safety**
Upcoming Events

• 2019 National Mine Rescue, First Aid, Bench and pre-shift Contest
  • September 23 – 26
• 2019 National Coalition of Black Lung & Respiratory Disease Clinics Conference
  • September 25 – 27
• Training Resources Applied to Mining (TRAM) Annual Conference
  • October 15 – 17 National Mine Health and Safety Academy
• 15th Annual Joint Western Regional Mine Safety and Health Conference
  • October 21 – 23
Health Issues Related to Mine Dust

- [https://www.cdc.gov/nora/councils/resp/FacesCOPD.html](https://www.cdc.gov/nora/councils/resp/FacesCOPD.html)
- **NORA homepage**
- **NORA Respiratory Health Council page**
- 75% of all Chronic Obstructive Pulmonary Disease cases are related to smoking
  - COPD is an umbrella term used to describe progressive lung diseases
    - Emphysema, Chronic Bronchitis and Refractory Asthma
Medical Surveillance

- **NIOSH Western Swing**
  - Huge Success – Over 2,000 miners screened
    - NM-588 UT-359 WY-359 CO-309 AZ-219 MT-115 ND-53
- **MCMC Mobile Outreach will travel to surrounding states**
- **X-Ray**
  - Early issues with lungs
- **Spirometry – Lung Capacity**
  - Reduced lung capacity
    - Reduced Mobility
      - Increased Abdominal Obesity
      - Increased Diabetes
  - Reduced Oxygenated blood to the brain
    - Increase in Dementia and Alzheimer’s
2019 Mining Fatalities

• Coal – 8
• M/NM – 8
• 8 Contractors