



Quarterly Training Summit

July 2016

U.S. Department of Labor
Mine Safety & Health Administration

July 20, 2016

Agenda

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|---------------------------|---|
| 12:30pm – Kevin Deel | Welcome and Introduction of
Assistant Secretary Main |
| 12:35pm – Joe Main | Opening Remarks |
| 12:45pm – Marcus Smith | Review of Coal Fatalities
Review of Coal Serious Accidents |
| 12:55pm – Larry Trainor | Review of MNM Fatalities
Review of MNM Serious Accidents |
| 1:05pm – Kevin Deel | EFSMS |
| 1:10pm | Questions |
| 1:25pm – Laura McClintock | Closing Remarks |



MSHA Training Summit Coal Mine Safety & Health 2nd Quarter 2016

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Coal Fatalities

2nd Quarter 2016

- Surface Mines – 0
- Underground Mines – 2
- Classifications
 - Machinery – 1
 - Powered Haulage – 1



Coal Fatalities by State 2nd Quarter 2016

- Illinois – 1
- West Virginia – 1



Coal Fatalities by Occupation 2nd Quarter 2016

- Contract Laborer – 1
- Motorman– 1



On June 6, 2016, a 34-year-old contract laborer with 7 years of mining experience was fatally injured when a diesel-powered front-end loader fell on him. Working together, another miner and the victim lowered the bucket and put downward hydraulic pressure on the bucket to raise the middle of the loader. Both miners then crawled under the loader. The hydraulic pressure released, allowing the loader to lower, pinning both miners. A mine examiner, who was nearby, lowered the bucket again to raise the loader off the miners. One miner was freed and assisted in removing the unresponsive victim from under the loader. Cardiopulmonary resuscitation (CPR) was performed, but the victim could not be revived.





On Monday, May 16, 2016, at approximately 4:00 a.m., a 50-year old motorman, with over 14 years mining experience, was fatally injured when the diesel locomotive he was operating crashed through a closed air lock door. The diesel locomotive was pulling six drop deck cars.



CMSH: Serious Accidents





A miner was driving his personal truck to shut off a pump at the end of his shift when the truck lost its brakes and went over the berm of the roadway, traveling over 200 feet and coming to rest at the edge of an impoundment. The driver was transported to the hospital and treated for a broken leg.



Best Practices

- Ensure traffic rules are standardized and properly posted.
- Ensure miners are aware of hazards when operating personal vehicles on mine property.
- Ensure roadways on embankments are safe to travel and properly protected by guardrails and/or berms.



Future CMSH Events

Month	Location	Event
August 1-5	Blacksburg, VA	Virginia Mining Institute's Safety Day - Mine Rescue, First Aid, Bench and Pre-Shift Contest
August 9-11	Morgantown, WV	Post 5 Mine Rescue Contest
August 10	Beckley, WV	Mine Rescue Skills & Judges Training Sessions
August 17		40th Anniversary of the National Mine Health and Safety Academy
August 23-24	Waynesburg, PA	Pennsylvania State Mine Rescue Contest
August 24		Illinois State Mine Rescue & Bench Contest
August 29-September 1	Beaver, WV	Southern West Virginia Mine Rescue Association, Mine Rescue, Bench & Pre-Shift Contest



MSHA Training Summit Metal and Nonmetal 2nd Quarter 2016

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MNM Fatalities 2nd Quarter 2016

- Surface Mines – 6
- Underground Mine – 0
- Classifications
 - Powered Haulage – 1
 - Electrical – 1
 - Machinery – 1
 - Slip or Fall of Person – 1
 - Inundation – 2



MNM Fatalities by State 2nd Quarter 2016

- Mississippi – 2
- Arkansas – 1
- Texas – 1
- Alabama – 1
- Arizona – 1



MNM Fatalities by Commodity 2nd Quarter 2016

- Sand & Gravel – 2
- Copper Ore – 1
- Titanium – 1
- Limestone – 2



MNM Fatalities by Occupation 2nd Quarter 2016

- Mine Superintendent – 1
- Truck Driver – 1
- Excavator Operator – 1
- Maintenance – 1
- Dozer Operator – 1
- Hydromet EW Operator – 1





On April 9, 2016, a 25-year old plant operator with 4 years of mining experience was fatally injured at a surface copper ore mine. He was found unresponsive, kneeling with his face against a stainless steel flange that was connected to a high-density polyethylene pipe. The medical examiner ruled the cause of death as probable electrocution.





On April 11, 2016, a 61-year old dozer operator with 18 years of mining experience was fatally injured at a surface titanium ore mine. The victim had been using a dozer to perform maintenance on the haul road into the pit. The victim either fell or stepped onto the left-side dozer track as the machine started moving backwards down a slope. He was found laying approximately 30 feet in front of the dozer's stopping point.





On May 10, 2016, a 46-year old maintenance man with 6 years of experience was fatally injured at a cement plant. The victim went to the top of the slurry tank to start the rake system. He fell 50 feet through a 3-foot by 4-foot opening in the walkway into the empty slurry tank below.





On June 3, 2016, a 24-year old haul truck operator, with 9 months of experience, and a 56-year old hydraulic excavator operator, with 6 years of experience, were killed at a sand and gravel operation. The two miners were working in a pit next to an abandoned roadway embankment, which partially bound an old pit. Waste clay and sand had been placed in the old pit for reclamation purposes. The embankment failed and the tailings and slurry engulfed both miners.





On June 27, 2016, a 61-year old Mine Superintendent, with 24 years of experience, was killed at a limestone quarry. The victim was building a ramp to the lower bench and was positioning his haul truck to dump a load of material near the edge of a highwall and rolled backwards over the 90 foot highwall.



MNM: Serious Accidents





Underground Lead-Zinc Ore - Two miners were welding a patch on a leaking fuel tank when the tank exploded seriously injuring both miners.





Surface Crushed, Broken Limestone - An excavator slipped into a lake while excavating sand. The driver walked away without any injuries.





Underground Crushed & Broken Limestone Mine – A haul truck was being loaded at an underground mine when a significant portion of the immediate roof above the truck fell covering the top of the truck and an area behind the truck. The truck driver received medical treatment.



Best Practices

- Use properly rated Personal Protective Equipment (PPE) including Arc Flash Protection such as a hood, gloves, shirt, and pants.
- Set the parking brake and lower the bull dozer blade to the ground before dismounting equipment.
- Ensure covers or railings protecting temporary access openings are secured in place at all times when an opening is not being used.
- Make sure that embankments containing ponds of water, tailings, processing waste, or other fluids are designed and constructed to be stable, and that mining operations are kept a safe distance away.
- Ensure that pre-operational checks are conducted to identify and correct any defects that may affect the safe operation of self-propelled mobile equipment.



Future MNM Initiatives

Month	Partner	Topic
July	Institute of Makers of Explosives	Explosives and Blasting Safety
August	Equipment Manufacturers Assn	Seat Belts
September	Illinois Aggregate Assn	Drill Entanglement
October	Arizona Rock Products Assn	TBD
November	Colorado Mining Assn & Colorado Stone, Sand & Gravel Assn	Workplace Examinations
December	Oklahoma Dept. of Mines	TBD
January 2017	National Stone, Sand & Gravel Assn	Be Alert



Educational Field and Small Mine Services

Two New Programs for Trainers

“Re-train the Trainer”

- A one day course designed to give experienced and new trainers a refresher class in training materials and training techniques

“Competent Person Train the Trainer”

- A three day training course designed specifically for Part 46 training

For more information please contact

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Questions?



Use this link to submit training questions

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