



Natural building blocks for quality of life

# Safety Alert



## Powered Haulage Safety at MNM Mines: January 2007 – December 2007

### 33 MNM FATALITIES: 24% INVOLVED POWERED HAULAGE

<b>Dumper, off-highway and underground</b>	A truck driver, with 1 ½ years mining experience, was fatally injured while hauling shot rock to the toe area of the main tailings dam and lost control of the truck on the roadway near the base of the dam. The truck rolled over and became partially submerged in a pond near the toe of the dam.
<b>Dumper, off-highway and underground</b>	A truck driver, with 42 years mining experience, was fatally injured while operating a haul truck that veered off the roadway, climbed a berm, and fell over a highwall onto a bench below. The victim was not wearing a seat belt at the time of the accident and was ejected from the cab of the truck.
<b>Load-Haul-Dump (LHD) machine</b>	A blaster, with 4½ years experience, was fatally injured. The victim was traveling in a 2 cubic-yard Load-Haul-Dump (LHD) unit along a drift above a backfilled, previously mined stope. The LHD fell through the floor of the drift in a void that had developed in the backfill.
<b>Wheel loader, front end loader, scoop, scoop-tram</b>	A front-end loader operator, with 19 years experience, was fatally injured when he was operating one of two front-end loaders that were transporting a section of pipeline to the dredge pond. While the victim's front-end loader was positioned near the edge of the pond, a large section of the sandy bank sloughed off and submerged the loader. The victim was entrapped inside the loader cab and drowned.
<b>Dumper, off-highway and underground</b>	A superintendent with 27 years experience was fatally injured while driving a haul truck that struck a guard rail on a bridge and landed in a river below.
<b>Powered personnel carrier</b>	A mechanic with 17 years experience was fatally injured while operating a rubber tire mantrip when it struck a rib and overturned. Another miner riding in the vehicle was also injured.
<b>Conveyor</b>	A laborer with 32 years experience (2 days at the mine) was fatally injured when he went behind a guard, used a wooden handle shovel to clean under a conveyor belt take-up pulley, and was entangled in the pulley.
<b>Locomotive, motor</b>	A car man with 1½ years experience was injured as he was walking across the rail yard to uncouple several loaded rail cars when he was struck by a yard locomotive.

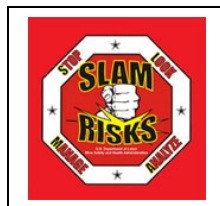
### There were 508 reportable Powered Haulage Injuries in 2007

Many injuries involved the same root causes:

231, or (45%), involved out of control equipment

31, or ( 6%), could have been prevented if Lock Out Tag Out procedures were used.

21, or ( 4%), could have been prevented by double checking blind spots and communicating.



#### Best Practices - Safe Work Procedures:

- **KEEP EQUIPMENT UNDER CONTROL:** Conduct thorough pre-shift examinations of equipment and travelways.
- **CHECK and RESPECT GUARDS:** Are they adequate and in-place?
- **WORKING ON OR IN DIRECT CONTACT WITH ENERGIZED EQUIPMENT:** Conduct a complete lock out tag out procedure, including a final start up test.
- **VISIBILITY and COMMUNICATION:** Carefully check for opposing traffic before standing or moving into areas of traffic.
- **DISTRACTION:** Remember: Distraction from cell phones and radios can result in accidents.

\*This product was developed as part of the MSHA Alliance Program. It does not necessarily reflect the official views of MSHA. Use of the Alliance Program logo is reserved for MSHA and its active Alliance partners. The MSHA Alliance Program promotes miner safety and health through voluntary partnerships, which provide training and education, outreach, technical assistance, and a national dialogue on mine safety and health. For more information, contact MSHA at (202) 693-9414 or <http://www.msha.gov/alliances/alliances.htm>.

\*\*Statistics used are for the January-December 2007 metal and nonmetal mining industry (including independent contractors). Metal and nonmetal mine operators provide the raw data to MSHA required by 30 C.F.R. §50.20, Preparation and submission of MSHA report form 7000-1 –Mine Accident, Injury, and Illness Report.