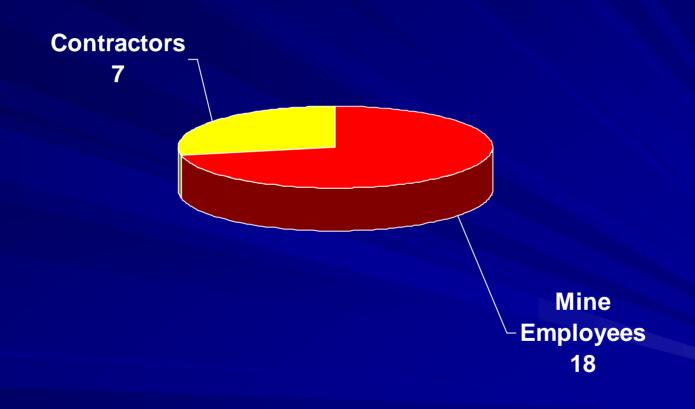
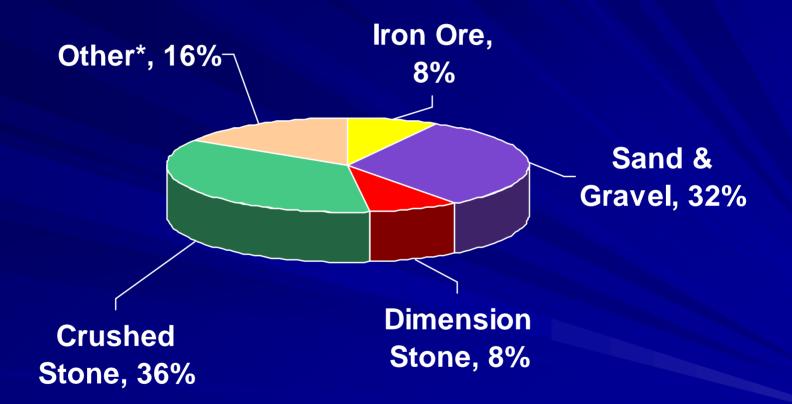
Metal and Nonmetal Fatal Accident Review CY 2006

MNM Fatalities

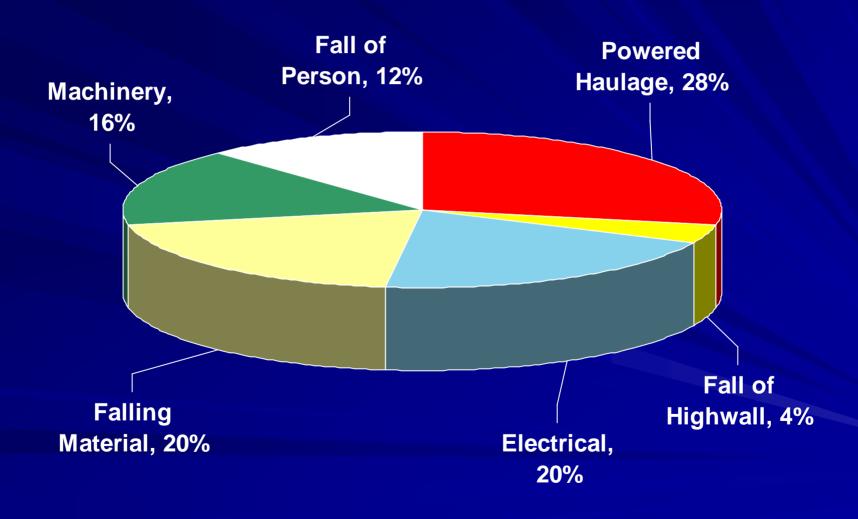


MNM Fatalities by Commodity

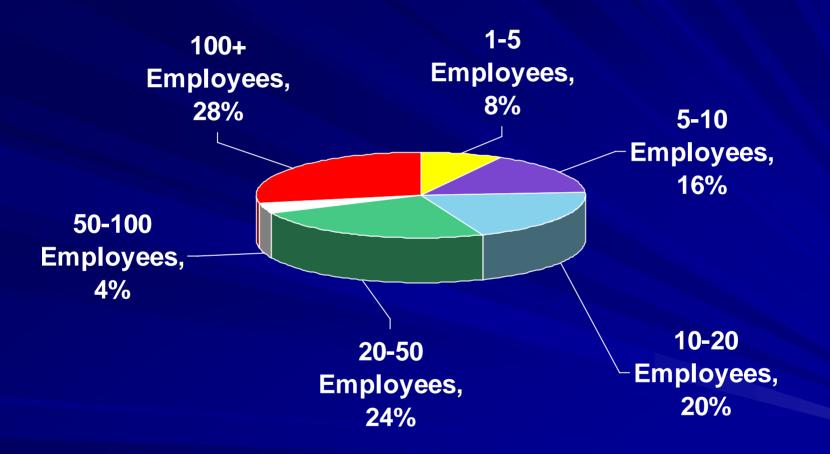


* Cement, Phosphate, Sand, Lead/Zinc,

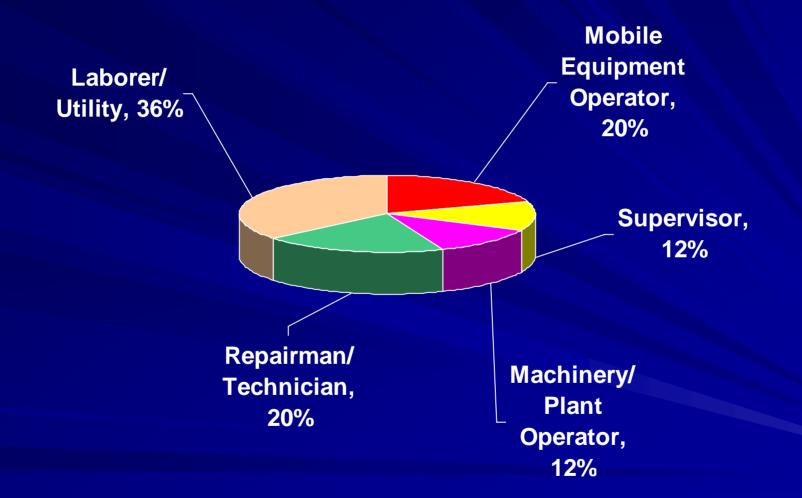
MNM Fatalities by Classification



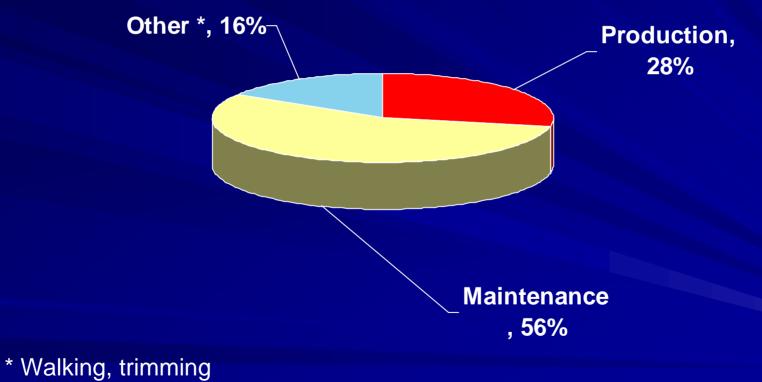
MNM Fatalities by Mine Size



MNM Fatalities by Occupation

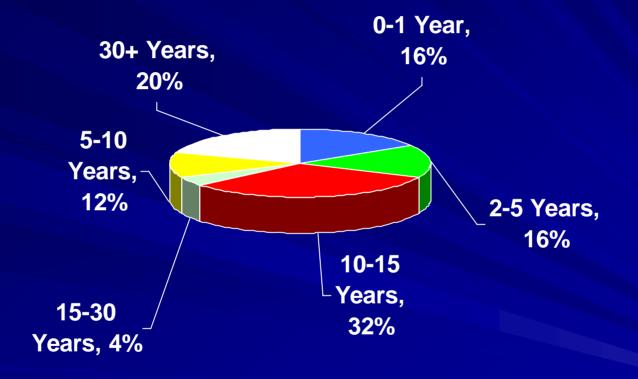


MNM Fatalities by Activity

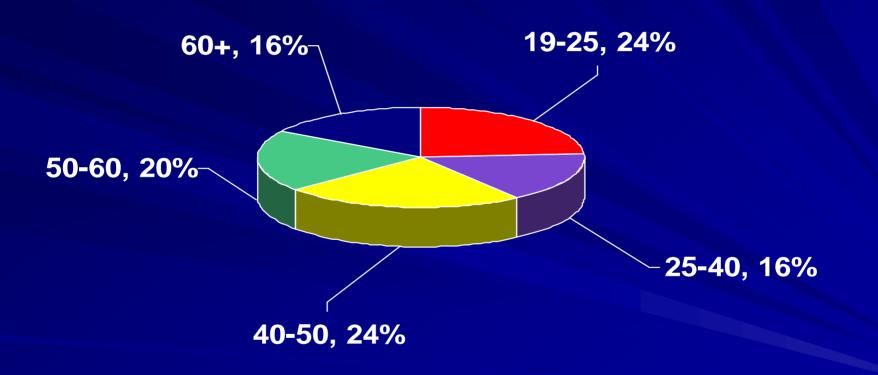


weeds

MNM Fatalities by Mining Experience



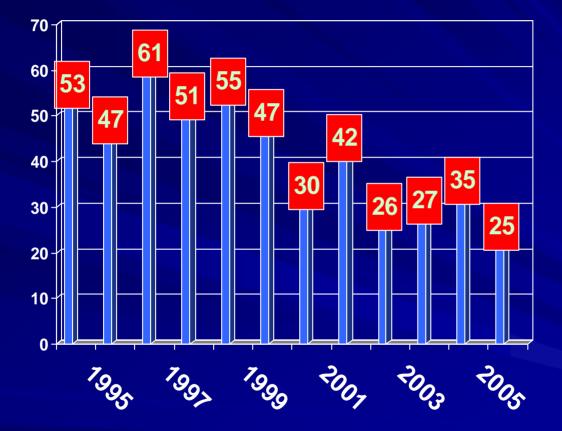
MNM Fatalities by Age

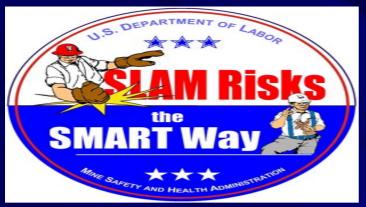


Root Causes

No Risk Assessment Conducted No/Inadequate Policy or Procedures Did not use Personal Protective Equipment Lack of Pre-operation Checks Equipment not Maintained Training Inadequate Failure to Conduct Examinations

MNM Fatalities – 1995-2006





The majority of fatal accidents have these common root causes

•Failure to identify hazards

•Failure to manage risks

SLAM Risks the SMART Way!

<u>Miners:</u>

Stop Think through the task

Look Identify the hazards for each job step

Analyze Determine if you have the proper knowledge, training, and tools

Manage Remove or control hazards and use proper equipment

Mine Operators:

Stop Isolate each step in a task and identify past and potential accidents, injuries, and violations.

Measure Evaluate the risks associated with the task and barriers that have allowed hazards to cause injuries

Act Implement controls to minimize or eliminate any hazards that make the risk unacceptable

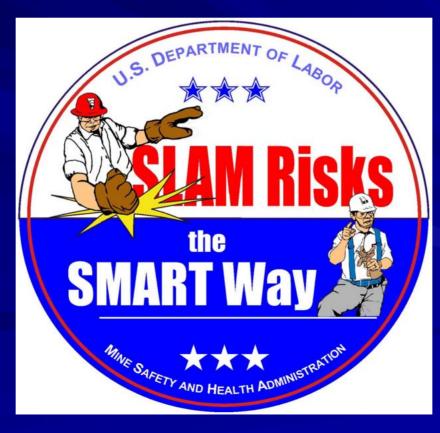
Review Conduct frequent work site visits to observe work practices and audit accidents, injuries, and violations to identify root causes

TrainDevelop a human factor-based action plan and then involve and trainthe minersMake the RIGHT Decision!

When Miners & Mine Management are Risk SLAMMERS

together they

Make the RIGHT Decision and...



U.S. Department of Labor Make the RIGHT Decision

Mine Safety and Health Administration