

SLAM RISKS
Web Cast Presentation
October 12, 2004

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[Opening display slide - no comment]

[Slide 1 - Bob]

Hello to all of you who are participating in today's third Metal and Nonmetal mining industry Web Cast. I'm Bob Friend, Administrator for Metal and Nonmetal Mine Safety and Health, and we addressing you again from Arlington, Virginia. I would like to also welcome our guests at this year's TRAM conference at our training facility in Beckley, WV. I'm happy to have with me today Mr. John Correll, Deputy Assistant Secretary of Labor for Mine Safety and Health. JC, as he is known to his friends. I've asked JC to say a few words to kick off today's Web Cast. JC...

[Slide 2- JC speaking]

Thanks, Bob, and I am excited to join you today to get the message out about a very important initiative today. First of all, on behalf of myself and Dave Lauriski, I'd like to congratulate the entire Metal and Nonmetal mining industry on the outstanding mine safety and health year that the industry is having in 2004. We are all proud of the fact that the mining industry has achieved three record-low years for fatalities and injuries. However, we also feel that too many miners are still injured or killed on the job. To help focus the industry's attention on getting fatalities and injuries down to zero, MSHA would like to utilize today's webcast to kick off our national risk assessment initiative that will introduce a simple risk management technique SLAM: Stop, Look, Analyze and Manage risk in the workplace. I would encourage you to join us in the SLAM initiative by discussing this with the miners that you train and the contractors that you encounter during your course of business. Conducting

regular and timely risk assessments in the workplace will enable us to continue us on the path of zero fatalities and injuries.

I'm turning the Web Cast back over to Bob so he can make a few comments, but I'm staying right here to participate in the question-answer, ideas and recommendation session that will come in just a few minutes. We had a very good response from participants during the last Web Cast and I am eager to hear your comments and ideas again this time. Bob...

[Remain on Slide 2 - Bob speaking]

Thank you J.C.

Mark Twain once said " No single outside influence can make a man do a thing which is at war with his training. The most it can do is to start his mind on a new track and open it to the reception of new influences...". Today's webcast is intended to move us down the track to take personal responsibility for safety and influence human behavior.

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MSHA is introducing a new initiative named “SLAM RISKS” to focus mine operators, contractors, supervisors, and miner’s awareness on the “Human Factors” in accident prevention.

This initiative introduces the concept of Risk Assessment as a tool every supervisor and miner can use to identify and eliminate hazards to protect themselves. The SLAM Risks process does not promote the use of risk assessment worksheets to document risk assessment, not to calculate the chance of the occurrence happening.

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The process advocates a simple approach to risk assessment. To allow a more effective hazard assessment at the mine, let’s consider some areas to look into while and during a risk assessment. Not only should one consider accidents that could occur, but also consider all of the non-routine activities that are done at the mine.

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Even though Metal and Nonmetal **Stakeholders** have been instrumental in reducing the number of fatalities and injuries over the past few years, we have been closely examining the overall record for trends that might indicate a need for attention. For instance – we've found that:

- Supervisors have been involved in a disproportionate number of accidents in the metal and nonmetal mining industry.
- About half of all the victims had less than six (6) months of experience in the task they were performing.
- Many victims were engaged in a new task or tasks not regularly performed.
- Maintenance or construction workers still are showing up in our statistics

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The graph on the screen illustrates how the m/nm industry has achieved a reduction in fatalities over the last several years. Industry now has to look forward and be progressive in achieving new lows.

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SLAM is the acronym for Stop, Look, Analyze and Manage. Miners are involved in the everyday tasks that can become routine. They also can be involved in tasks that are performed infrequently. A risk assessment should be used for each of these tasks. It is well documented that most accidents happen whenever a slight change in procedures takes place or something out of the ordinary occurs during the work process. This should be a red flag when this occurs to take additional precautions and do a risk assessment. This simple procedure can prevent accidents.

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We encourage you to discuss the SLAM initiative at your next safety meetings. We will be asking all mine operators to educate their workforce on the critical importance of conducting regular and timely risk assessments in their everyday tasks. Formal risk assessment is appropriate when there is major change in the work environment. For instance, before construction of new facilities or major repair projects; before new equipment is operated or when there has been a significant change in procedures. Taking more time to estimate potential harm and likelihood of occurrence would be appropriate at such times, and could be accomplished by a small team planning a big job or performing a walkthrough. This would be a formal risk assessment, because they would take more time and would likely make notes and check off completion of protective measures. This would occur before miners begin work assignments.

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Let's look in detail to each aspect of SLAM. The first step in this initiative is STOP. It is important for each miner to stop and consider the work involved. Take time to consider the task at hand and ask one self if the job can be done safely. Miners need to consider if they have been properly trained. Do they have the knowledge and skills to perform the job safely? Never underestimate the manpower that is needed to complete the job successfully. If assistance is needed, get it. Too often we fail to consider the consequences of our action on fellow miners. Make sure that any work performance will not have serious consequences on co workers.

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The next letter in the acronym of SLAM is the letter L which stands for Look. Upon starting your job, take a moment; look for and identify the hazards that associated with this job. This process of looking for hazards should not only be done prior to starting the job but, continues throughout the task. In many cases new hazards may appear during the job. Be alert and be prepared to address them. Ask if these new hazards should have been identified; Are there any new hazards that could occur?

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The letter A in SLAM stands for Analyze. Take the task at hand and analyze what needs to be done. Contemplate the worst case scenario of performing a task incorrectly.

1. Do you have everything you need to accomplish the task safely?
2. Are your tools the proper ones to use in the particular case?
3. Are your PPE's appropriate for the task you are undertaking?
4. Does everyone around you understand the task and their role to finish the task accident free?
5. Is there someone who needs to be notified or made aware the task that you are about to perform?
6. Is the likelihood of an accident small or if one were to occur would any injury result?

Take time to think through the procedures necessary to accomplish this task safely. If you can't eliminate the hazards of this task, talk to your supervisor before the task begins. Take one or more measures to lessen the potential severity of an injury, or the likelihood one could occur. Decide if these measures are sufficient to permit the task to be performed.

[Slide 12]

The final letter M in SLAM stands for Manage. Safety can be managed by developing and implementing controls. We need to eliminate hazards where possible or reduce miners' exposure to the risk and take the necessary action to see the job is done safely. Some items that you can do to control hazards are:

1. Following procedures
2. Eliminating hazards
3. Using the right PPE's
4. Assuring proper guarding is in place
5. Reassessing the tasks from the perspective of safety
6. Don't hesitate to ask for additional help

[Slide 13]

We need to continue the momentum that we have experienced over the last several years. Even though we have achieved record low fatality numbers, we need to do more. The SLAM Risks process can eliminate some fatal accidents and reduce the frequency and severity of nonfatal accidents.

[Slide 14]

Today we are encouraging each and every one of you to get the word out to our nation's mines urging them to concentrate on safe and healthful operating procedures and pay attention to the tasks they are performing. MSHA believes in this new initiative and feels with industry's cooperation and support this message will be delivered. In the near future MSHA will send out letters addressing this initiative and asking for your assistance in getting this message out to our nation's mines.

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I appreciate the time each and every one of you gave to this webcast today. I will also thank you in advance for getting this important message out to the M/NM mining industry to remind them of the key role risk assessment plays in keeping their workplace safer and sending miner's home safe and healthy at the end of the shift. Your active participation in this initiative is crucial to its success. Again rephrasing Mark Twain "The most we can do is to start our nation's miners on a new track and open them to the reception of new influences..." and I believe that the SLAM Risks initiative does just that.

[Slide #16 Triangle]

With that we will take your ideas and comments.

Closing Comments

[Slide #17 Email]

I am sorry to have to close our discussion today but our allotted time is nearly completed. I would like to take this opportunity to thank all the web cast attendees. The discussion and comments were very informative and enlightening.

MSHA strives to be about compliance assistance, partnerships, education, training, and technical support, as well as enforcement.

We are also striving to encourage good health and safety performance, and not just find poor performance.

If you would like to give us some additional feedback and suggestions for the SLAM RISKS initiative please utilize the email address on the screen. Your feedback would be much appreciated.

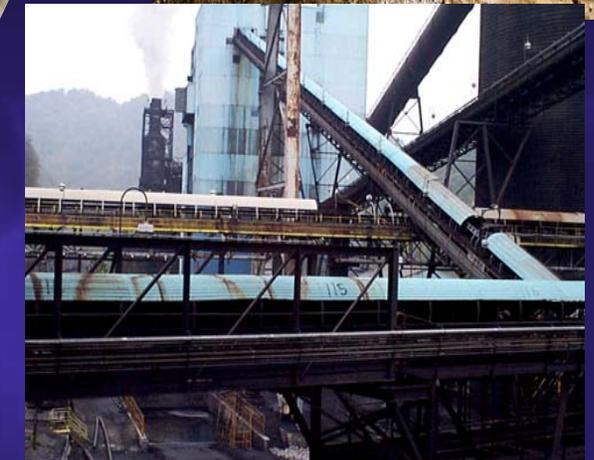
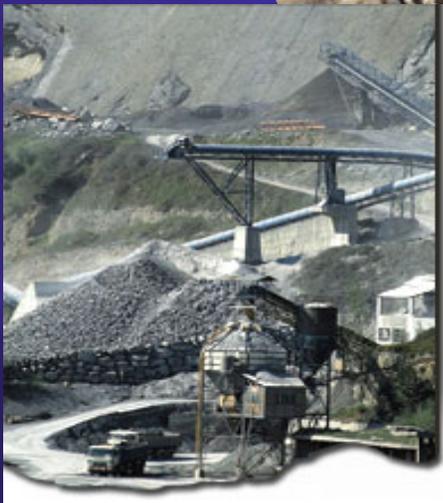
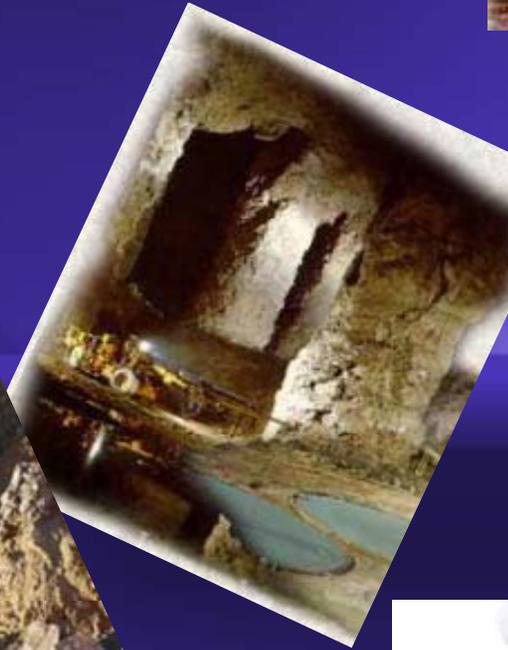
United States Department of Labor
**Mine Safety and Health
Administration**

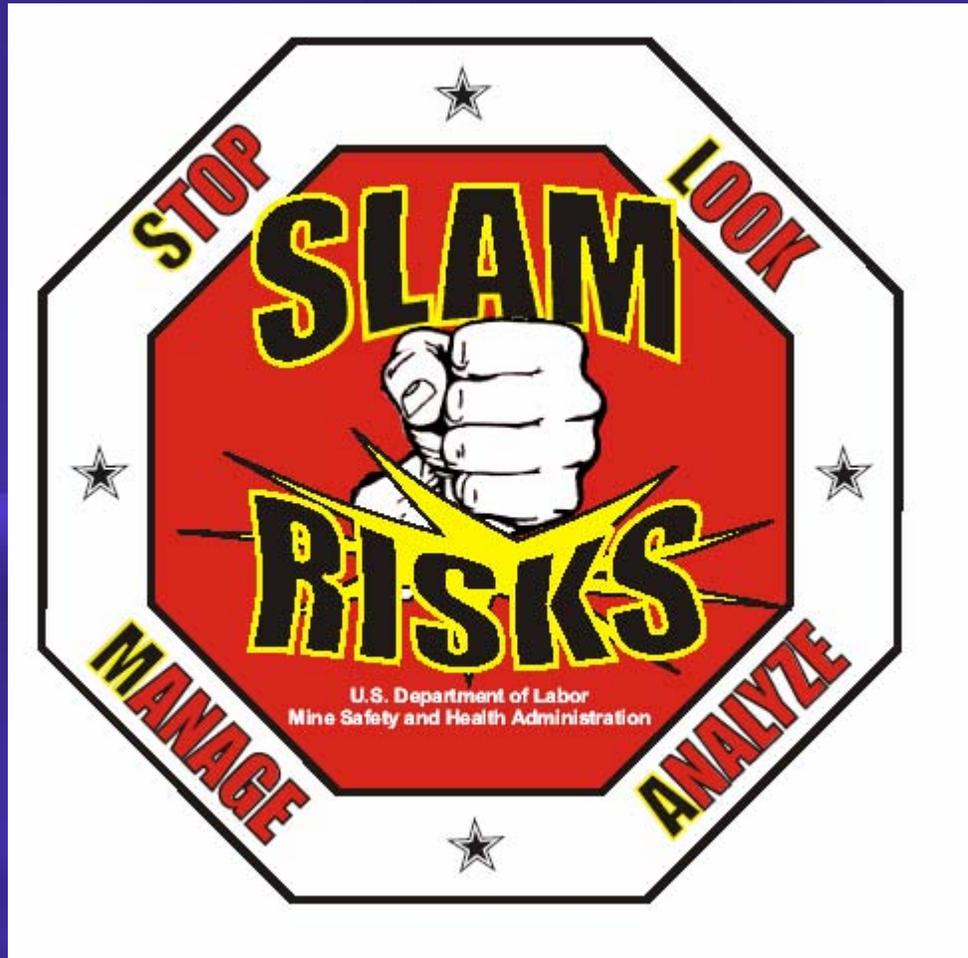


Robert M. Friend

Administrator

Metal and Nonmetal Mine Safety and Health





SLAM RISKS

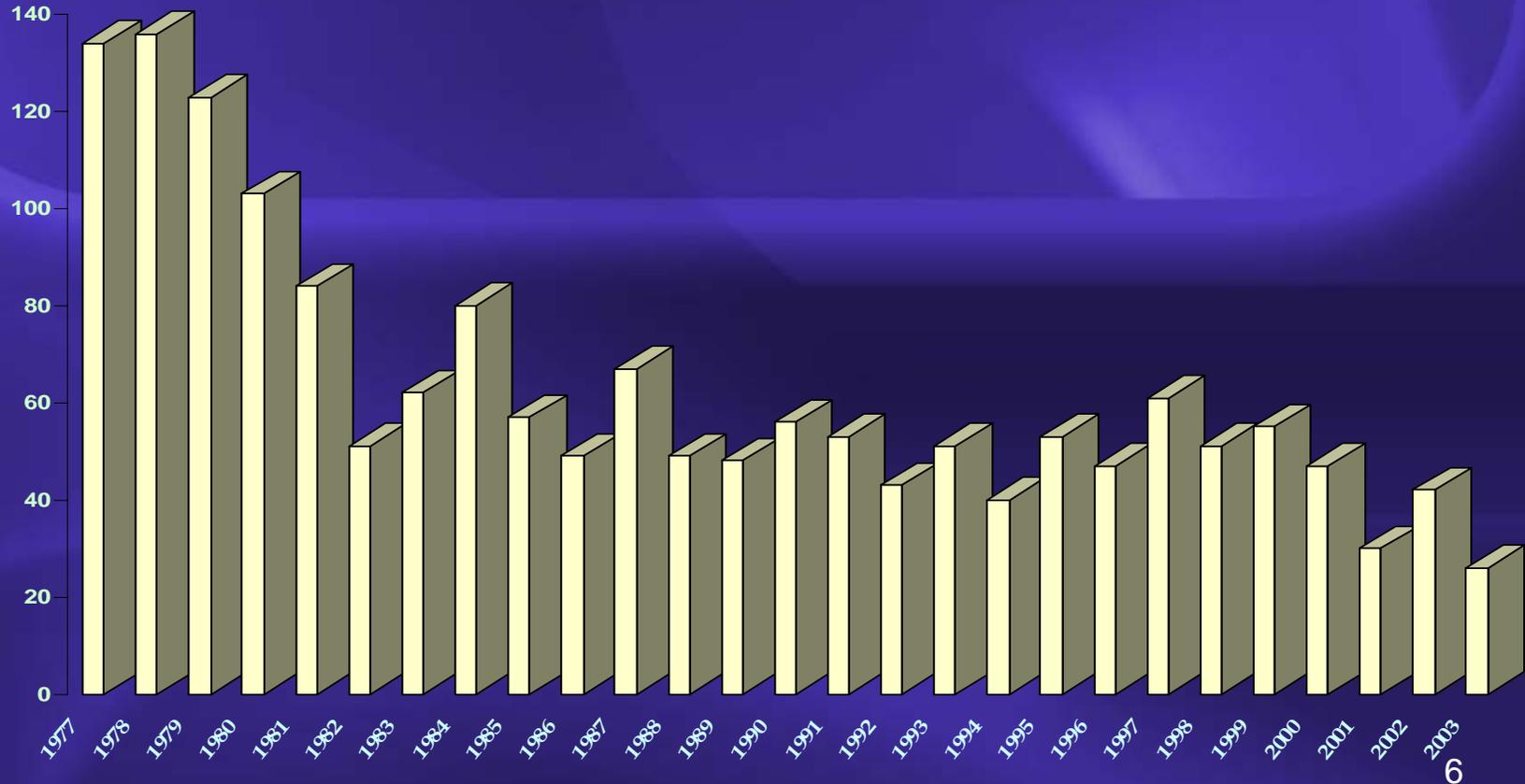
- For mine operators, contractors, supervisors, and miners
- Introduces concept of Risk Assessment
- Addresses Human Factors in accident prevention
- Process to identify and eliminate hazards

Supervisor Fatalities

- 9 supervisors were involved in fatal accidents in 2003 ----- 34%
- 11 of the 26 M/NM fatalities occurred when there were several persons present ---- 42%
- 5 of the 19 fatal accidents in 2004 have involved supervisors

History...MNM Mining

- Mining fatalities dropped sharply after enactment of the 1978 Mine Act from 134 in 1977, to 42 in 2002, and further declined to 26 in 2003 (MNM Record Year).



SLAM RISKS

- Risk assessment initiative
- Will introduce a simple risk management technique
- Stop, Look, Analyze and Manage – SLAM – risk in the workplace
- Long-term effort to further reduce mining accidents

SLAM RISKS

- Conduct a short safety meeting to discuss this initiative.
- Inform your employees on the critical importance of conducting regular and timely risk assessments in their everyday tasks.

SLAM = Stop Look Analyze Manage

- STOP:

- Take a look around.

- Think the task through.

SLAM = Stop Look Analyze Manage

- LOOK:

- Identify the hazards for each job step.

SLAM = Stop Look Analyze Manage

- ANALYZE:

- Determine if you have the knowledge, training, and tools to do the task safely.

SLAM = Stop Look Analyze Manage

- **MANAGE:**

- Remove or isolate the cause and use the appropriate equipment.

Continue the momentum

- Work toward the goal of ZERO accidents!
- Pay attention to the task being performed.
- Concentrate on safe and healthful operating procedures.
- SLAM RISKS process could:
 - Eliminate many fatal accidents.
 - Reduce the frequency and severity of nonfatal accidents.

SLAM RISKS

- As part of the initiative, MSHA will work together with our stakeholders to provide:
 - Posters
 - Pocket cards
 - Talking points

Our Ultimate Measure of Success



Every Day Every Shift

EDUCATION & TRAINING
Compliance Assistance

**Triangle
of
Success**

TECHNICAL SUPPORT
Compliance Assistance



Compliance Assistance
ENFORCEMENT

- **Contact us at the following e-mail address:**

m/nmwebcast@dol.gov