



MSHA

Mine Safety and Health Administration
Department of Labor



Applied Engineering Division (AED)

Staff : 13 Persons

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Acting Division Chief - Joe Judeikis, Mechanical Engineer

Team Leader – Mike Getto, Geologist/Physical Scientist

Engineers (8)	Howard Epperly,	Mining
	Ben Gandy,	Mining
	Dale Ingold,	Industrial & Systems
	Rob Parry,	Industrial & Systems
	Wesley Shumaker,	Mechanical
	Walt Slomski,	Mining
	Andy Yanik,	Mining
	Brandon Boring,	General

Safety and Health Specialist – Duane Wease

Office Automation Assistant – Carlene Falck

Engineering Technician – Michelle Jones

What We Do

- Mine Rescue Technologies
- Accident Investigation Assistance
- Incident Reduction Program
- Litigation Support
- Technical Assistance
- Accident Research and Associated Preventative Measures
- Innovative Product Evaluations
- Miner's Tips and Safety Ideas
- MSHA Slogan Challenge

The Internet

www.msha.gov

Accident Prevention Website

Miner's Tips

Safety Ideas

Innovative Products

New Technologies

The screenshot shows the Mine Safety and Health Administration (MSHA) website as viewed in Microsoft Internet Explorer. The browser's address bar displays "http://www.msha.gov/". The website layout includes a navigation menu on the left with sections like "Find It!", "Quick Links", "Special Initiatives", and "Fatalities YTD". The main content area features the MSHA logo, a map of the United States, and various program announcements such as the "Inspector Career Intern Program" and "Professional Miner Program". A "Focus On" section at the bottom highlights "Stay Safe and Alive in 2005!". On the right side, there are vertical navigation menus for "Compliance Assistance", "About MSHA", "Alliances", "Education & Training", "News Room", "Rules & Regs", and "Safety & Health Info".

Safety Improved through Prevention?



Fix the Root Cause!

Incident Reduction Program

Mines that have high accident rates or have had close calls.

- Voluntary grass roots program
- Interview all miners anonymously
- Observing work habits
- Observing work area
- Formulate plan to reduce accidents
- Year long effort / not a flavor of the month
- Results ; 44% reduction in accident rates

Miner Act

Insuring the Maintenance of Miners in Emergency Situations

- Refuge Alternatives Rulemaking
- PIB 07-03
- Communication / Tracking – non-approval
- Litigation assistance
- Interim criteria
- Shelter materials
- Technical assistance to Enforcement

Post Mine Emergency Technology

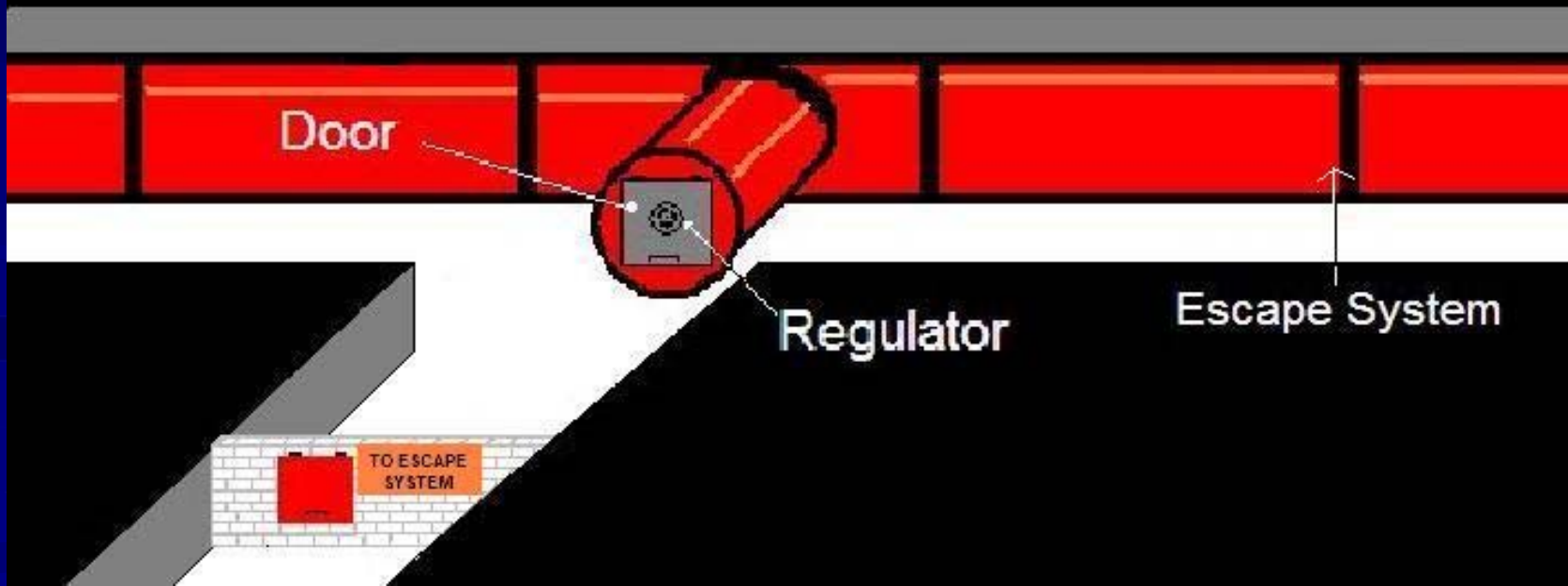
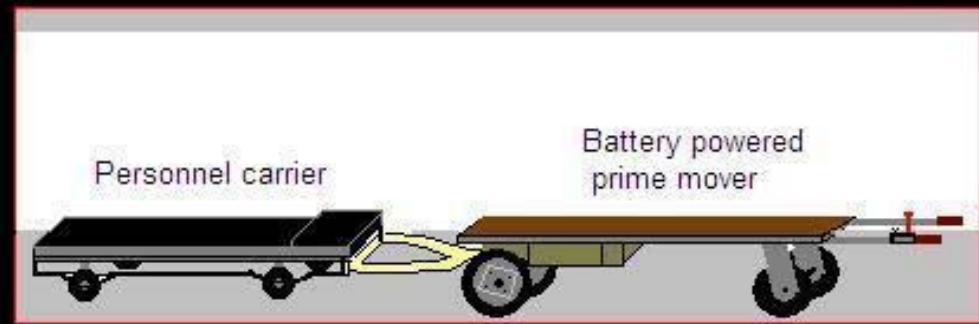
- Breathable Air
- Refuge Alternatives
- The Great Escape system

DESIGN AND LAYOUT

CLOSE UP VIEW OF AN ENTRANCE TO ESCAPE SYSTEM

The escape system contains:

- battery powered prime mover
- personnel carriers
- communication / tracking



Accidents

Coordinate Technical Support
Assistance for accident investigations

Assist Enforcement in:

- Root cause analysis,
- Official report preparation,
- Subsequent litigation assistance,
- Related hazard awareness efforts

BOTTOM LINE

We all have the same goal – to send each and every miner home in the same condition which they arrived for that shift.



Photo by Wayne Collett

Thank You