Mine Emergency Preparedness and Response
CONSOL Energy

• The most important Emergency Response Tool that any location has, is the personnel.
• Training of these personnel, must be one of your highest priorities. Accounting for all personnel is every one's number one priority.
• MERD Exercises are an excellent tool to train personnel on Incident Response and Notification.
• Fire Drills must be conducted properly to insure everyone understands their duties and roles. Extinguishing a fire in the incipient stages is critical, as the fire doubles every 5 minutes.
• Evacuation Drills, also must be conducted properly to insure that every person is accounted for and safe.
• Proper Check In/Check Out & tracking becomes a critical issue following a mine emergency.
• Hands-On Fire Fighting Training demonstrates to each employee how effective they can be in direct fire fighting.
• Support groups such as Fire Brigades and Mine Rescue Teams are another important link in the incident response to control and eliminate a situation. It’s important to know who the Fire Brigade & Mine Rescue Personnel are on your shift and where they are located. They can provide you with expertise in critical situations.
• Communication is the link to the situation underground and the surface. Find out the nature of the emergency or incident: What has occurred?
  - (a) Ignition (b) explosion (c) fire (d) roof fall entrapment
• Dynamic incidents such as fires, explosions or entrapments can develop into uncontrolled events. It is very important to STAY CALM, speak clearly, and give or ask for as much information as possible.
MINE EMERGENCY RESPONSE
FIRE FIGHTING EQUIPMENT
MAINTAIN FIRE SUPPRESSION SYSTEMS AND CO MONITORING SYSTEMS OPERABLE
EMERGENCY MATERIALS STORAGE AREAS

HAVE A LIST OF CONTRACTORS ON HAND, HOW MUCH EQUIPMENT CAN THEY PROVIDE AND HOW DO YOU GET IN TOUCH IN THE MIDDLE OF THE NIGHT.
Know the contact numbers for Drilling Companies
Maintain a list of Providers of Nitrogen, CO2, Foam
Rescue Teams Are Assembled
TYPICAL SHAFT SITE BLADDER SEAL SCHEME - AIR HANDLING
7/20/2007

Nomenclature
- 2 inch cut off valve
- 3/4 inch cut off valve
- Pressure Gage
- Check Valve
- Electric solenoid valve
- Pressure switch
- Bladder / plug

Lines teed as close as practical to shaft

3/4 inch hoses for pressure monitoring

Large Air compressor for initial filling of bladders.

3/4 inch hoses for pressure maintenance as available.

Bladder Pressure
Maintenance Control Panel

2 HP, 25 Gallon Air Compressor

Powered from lighting panel or generator as available.

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Bladder Pressure
Maintenance Control Panel

2 HP, 25 Gallon Air Compressor

Powered from lighting panel or generator as available.
Storage Containers 8’ X 20’
For shaft sealing materials
Sheet Metal Racks
Bladder weight is 2,600 lbs.

Estimated cost $27,000.00

1,000 p.s.i. puncture resistant cover protects the bladder.
The bladder is dropped into the return shaft through the explosion doors.
Vent 4 Bladder Inflated
Dr. Joseph A. Holmes inspecting Mine Rescue Personnel in 1911. First National Mine Rescue Competition was held at Forbes Field in Pittsburgh, PA, on October 30, 1911. Our next Nationals in Columbus Ohio in 2011 will be our 100 year anniversary.
WE’VE COME A LONG WAY

2010 MINE RESCUE MEMBER WITH FIRE RESISTANT NOMEX CLOTHING, FIRE RESISTANT GLOVES AND NOMEX FIRE RESISTANT HOOD.

BG 4 DRAGER 4 HOUR, CLOSED CIRCUIT, POSITIVE PRESSURE, BREATHING APPARATUS.
HEAVY SMOKE
TRAINING IN IT’S 16TH YEAR
Training Facility in Logan, WV for Southern WV Community College
JSA 365 BACKBOARD

• Plastic Backboard – Rugged one piece lightweight polyethylene spine board with 12 large hand holes for easy handling, built in runners, low profile & X-Ray translucent. Comes with 4 straps Color Bright Yellow

• 72”L X 16” W Weight: 15 lbs. Load Capacity 400 lbs.

Mine Lifeline LLC
1432 South Main Street
P.O. Box 4542
Chapmanville, WV 25508
USA
304 855 7080
jeremy@minelifeline.com

$149.00
**JSA 200 Stretcher**

- Yellow high-density polyethylene shell, supported by a stainless steel outer rail, permanently attached with stainless semi-tubular rivets. Features molding runners, fully exposed outer rail, non-absorbent foam pad secured to stretcher & four patient restraint straps. Ideal for unusually rugged rescue situations such as industrial, mining and construction. 84 ½” L x 24” W x 7 ½” H WT. 31 lbs Load Capacity 1200 lbs The JSA 200B detaches in the middle.

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$615.00
Fog Nozzle Pattern, Training
Underground Communication
HT-1000 Motorola

Channel 1 – 464.5500
Channel 2 – 461.1250
Drager Thermal Imaging Camera - Model UCF 1800
23 ft. Long x 8 ft Wide x 12 ft. 3 in. Height

Air Conditioner

Awning

2006 Chevrolet – 5500 Series 14 ft. Box
License YTG4835 PA Gross WT 19,500
VIN : 1GBE5C326F421685
Chevrolet C6500 – 2005 Model
Vin # 1GBJ6C1345F520756
300 HP Duramax Diesel

Satellite Dish
24 ft. Box

Mine Rescue Command Truck

Awning
A Moment To Reflect