Pennsylvania Department of Environmental Protection Bureau-of-Mine-Safety

Joseph Sbaffoni Director; Bureau Mine Safety



May 11, 2011

Current Status

Bureau of Mine Safety Offices

Uniontown

Pottsville

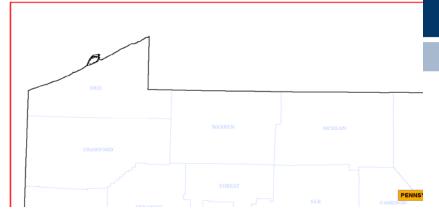
4 mine rescue stations

Uniontown

- 2 teams Industrial Mineral
- 2 teams Coal/High Quality
- Marion Center
 - 2 Teams Coal/AmFire
- Ebensburg
 - 2 Teams Coal/Roxcoal
- Tremont
 - 2 Teams Anthracite Operators



Underground Mines





Emergency Notification

 To give mine operators an efficient means of notifying the Bureau of Mine Safety of mine emergencies as they occur, the Department of Environmental Protection, Environmental Emergency Response Unit, allows the Bureau to use its emergency toll-free number

•Note: The mine operator requesting assistance can also directly contact Bureau personnel listed on the Emergency Notification list located at each mine

•When the emergency 800 number is activated, Bureau personnel are notified and deployed depending upon the situation.





MINE RESCUE TEAM AGREEMENT

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Anthracite

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF MINE SAFETY

ANTHRACITE UNDERGROUND RESCUE, INC. (AUGR)

ANTHRACITE MINE RESCUE TEAM TRAINING AGREEMENT

This AGREEMENT entered into by and between the Commonwealth of Pennsylvania, Department of Envisonmental Protection, Bureau of Nine Satety (hereinather "DEP or Department"), and <u>Anthracite Underground Rescue</u>, Inc. (hereinather "AUGR"), on this ady of _______, consists of the following:

WHEREAS, DEP has experience in training members of mine rescue teams regarding the use of self-contained breathing apparatus, first-aid, and mine rescue techniques and principles;

WHEREAS, DEP employs mine rescue instructors who have been approved by the U. S. Department of Labor, Mine Safety and Health Administration (hereinafter "MSHA");

WHEREAS, AUGR desires to establish increased mine rescue capability;

WHEREAS, AUGR desires to have the Commonwealth train the AUGR's mine employee(s) in mine rescue techniques and principles;

NOW, THEREFORE, in mutual consideration of the premises contained herein, the parties hereto intending to be legally bound hereby contract and agree as follows:

I. A. Designation of employees for training.

AUGR agrees to provide a minimum of 14 employees for training and mine rescue work.

If employment reaches 36 or more at an AUGR member mine, the mine agrees to provide 2 employees for training and mine rescue work.

Each employee designated by AUGR shall be approved by DEP before the employee begins training.

B. Qualifications for designation as a trainee.

In order to qualify for training in mine rescue, an individual must:

1. Presently be an employee of the AUGR member mine and have been employed in an underground mine for one year or more.

For the purpose of mine rescue work only, miners who are employed on the surface but work regularly underground at the mine shall meet the experience requirement.

Be able to meet any physical or experience requirements contained in 30 CFR Part 49 or otherwise established by MSHA.

1



Ebensburg Station – Cambria/Somerset Bituminous Coal

1996 Mack- KME Rescue Vehicle



On board Master line oxygen pump system On board emergency lighting On board diesel 110/220 generator Double bowl sink with point of use hot water tank External potable water inlet Air conditioned/heat in workspace Side awning

In station

Georgia SCBA parts dryer

- (1) Chest Freezer for icepack storage for SCBA's
- (1) Industrial Scientific M-4 docking/calibration station

(26) Draeger BG-4 SCBA's

- (8) Spare "D" oxygen cylinders for BG-4 (SCBA)
- (1) 6100 Test-It unit Drager BG-4
- (4) RZ-25 tester units for BG-4 SCBA
- (5) Industrial Scientific Ibred

Oxygen/Methane/Carbon Monoxide detectors

- (25) Northern miner's cap lamps/with charger rack
- (1) Masterline oxygen pump
- (2) "K" size oxygen cylinders for refilling SCBA cylinders

(2) Con-Space 1000+ foot lifeline communications system

(1) Sound powered 1000-foot Lifeline

communications systems

(3) Kenwood TK-300 UHF programmable walkietalkies

- (2) Emergency first responder First Aid kits
- (2) Fernco Mine Rescue stretcher
- (1) Drager BG-4 parts dryer
- (2) Military-style canvas rescue stretchers
- (1) Garmin Nuvee GPS navigator
- (1) Drager Thermal Imagining camera
- (2) Magnetic mine rescue map boards Mine tools
- (1) Med-Sled



Uniontown Station – Western Pennsylvania

Industrial Minerals/Coal

2007 Chevrolet 7500 Rescue vehicle



On board Master line oxygen pump system On board emergency lighting On board diesel 110/220 generator Double bowl sink with point of use hot water tank External potable water inlet Air conditioned/heat in workspace Dual side awnings

In station

Georgia SCBA parts dryer

- (1) Chest Freezer for icepack storage for SCBA's
- (1) Industrial Scientific M-4 docking/calibration station

(16) Drager BG-4 SCBA's

- (16) Spare "D" oxygen cylinders for BG-4 SCBAs
- (20) Northern miner's cap lamps/with charger rack
- (5) Industrial Scientific Ibred Oxygen/Methane/Carbon Monoxide detectors
- (1) 6100 Test-It unit Drager BG-4
- (3) RZ tester units for BG-4 SCBA
- (2) Con-Space 1000+ foot lifeline communications system
- (3) Kenwood TK-300 UHF programmable walkie-talkies
- (1) Sound powered 1000-foot Lifeline communications systems
- (1) Emergency first responder First Aid kits
- (1) Stokes rescue stretcher
- (4) "K" size oxygen cylinders for refilling SCBA
- cylinders (In station)
 - Mine tools
- (1) Drager BG 4 Dryer (Located on the Truck)
- (1) MSA Evolution 5000 series Thermal imaging camera
- (1) Tool box containing various Wrenches,
- Screwdrivers, Pliers etc.
- (2) Fernco Mine Rescue stretcher
- (1) Garmin Nuvee GPS navigator
- (2) Magnetic mine rescue map boards
- (1) Med-Sled



Marion Center Station – Cambria/Indiana Bituminous Coal

2009 Ford 550 Utility/trailer



On board Master line oxygen pump system On board emergency lighting On board diesel 110/220 generator Double bowl sink with point of use hot water tank External potable water inlet Air conditioned/heat in workspace Dual side awnings In station Georgia SCBA parts dryer (1) Chest Freezer for icepack storage for SCBA's (1) Industrial Scientific M-4 docking/calibration station

2,500 lbs capacity winch

- (26) Draeger BG-4 SCBA's
- (10) Spare "D" oxygen cylinders for BG-4 self-
- contained breathing apparatus (SCBA)
- (1) 6100 Test-It unit Drager BG-4
- (1) Rz-25 test unit
- (25) Northern miner's cap lamps/with charger rack
- (2) Con-Space 1000+ foot lifeline communications system
- (3) Sound powered 1000-foot Lifeline communications systems
- (3) Kenwood TK-300 UHF programmable walkie-talkies
- (2) Fernco Mine Rescue stretcher
- Air conditioned/heat in workspace
- (5) Industrial Scientific Ibred Oxygen/Methane/Carbon Monoxide detectors
- DM6 Dry mask SCBA parts dryer
- **Garmin Nuvee GPS navigator**
- **Drager Thermal Imagining camera**
- (4) mine rescue map boards
- (1) Med-Sled



Tremont Station – Schuylkill/Adams/ Anthracite Coal/Industrial Minerals

2001 Ford 550 4-wheel drive



On board Master line oxygen pump system On board diesel 110/220 VAC generator On board emergency lighting Pullout awning 2500 lb. capacity lift gate

In station

Georgia SCBA parts dryer (1) Chest Freezer for icepack storage for SCBA's (16) Draeger BG-4 SCBA's

(8) Spare oxygen cylinders for BG-4 SCBA's

(5) Industrial Scientific Ibred Oxygen/Methane/Carbon Monoxide detectors

(15) Koehler miner's cap lamps/with charger racks

(1) Test-It unit Drager BG-4

(2) RZ tester units for BG-4 SCBA

(1) Con-Space 1000+ foot lifeline communications system

(1)Sound powered 1000-foot Lifeline communications systems

(3) Kenwood TK-300 UHF programmable walkie-talkies

(2) Magnetic mine rescue map boards

"K" size oxygen cylinders for refilling SCBA cylinders

DM6 Dry mask SCBA parts dryer

MSA Evolution 5000 series Thermal imaging camera

Fernco Mine Rescue stretcher

(1) Garmin Nuvee GPS navigator

(11) Gear bags with Helmets, coveralls, boots, gloves, and mine belts Stokes basket

Long back boards,

(3) reeves sleeves, Large assortment of first aid equipment

Super-jet-X foam generator, Bazooka air mover.....

Mine tools...Repelling ropes in bags 300 ' per rope

(2) equipment ropes 200' & 100'...(2) Brake ladders Sets

(2 each) ascenders...(5) Large carabineers.....(13) Small carabineers Large single pulleys, (2) large double pulleys, (2) small single pulleys Sets (chest & seat) harnesses

(2) Anemometers

(1) Med-Sled

Emergency first responder First Aid kits

BUREAU OF MINE SAFETY

Special Medical Response Team SMRT

 The Bureau also conducts general safety and mine rescue training for the <u>SMRT (Special</u> <u>Medical Response Team)</u> located in Homer City, Pa, which can be called upon nationwide in a mine related emergency.







