

ILLINOIS



DEPARTMENT OF

**NATURAL
RESOURCES**

MINE EMERGENCY RESPONSE

Office of Mines and Minerals



Statutory Responsibility

- ▣ Office of Mines and Minerals (OMM) shall equip and maintain 4 MSHA certified mine rescue stations.
 - Benton mine rescue station
 - Springfield mine rescue station
 - Harrisburg mine rescue station
 - Lively Grove mine rescue station

Mine Rescue Stations

- ▣ Each station maintains fully equipped emergency trailer
- ▣ Harrisburg mine rescue station maintains firefighting equipment
 - Manifolds
 - Hoses
 - Nozzles
 - Foam generator



Emergency Trailer



Statutory Responsibility

- ▣ Rescue teams are based out of each mine rescue station to serve the Illinois coal industry as either a primary or secondary responder
 - Each station has two trained mine rescue teams
 - 14 underground coal mines



Analytical Laboratory

- ▣ The laboratory performs air analysis following a mine emergency
- ▣ Laboratory capable of performing on-site and off-site analysis
- ▣ Laboratory has pumps for securing mine atmosphere samples
 - Underground – (1) 12 volt DC pump for sampling behind seals
 - Surface – (3) pumps for borehole sampling

Analytical Laboratory

▣ On-site Analysis

- Varian Micro Gas Chromatograph CP-4900
 - ▣ Portable with internal battery power supply
 - ▣ Internal gas supply
- Can run sample analysis < 5 minutes

▣ Off-site Analysis

- Laboratory located at Office of Mines and Minerals' Southern Illinois Regional Office in Benton
- Sample analysis performed on bench top gas chromatographs

On-Site Analysis

VARIAN CP-4900

SAMPLE PUMPS



Off-Site Analysis



Emergency Notification

- ▣ The Illinois Coal Mining Act states
 - “Should an explosion occur, or a fire that is not promptly extinguished, at any mine in the State, the operator of said mine or his representative shall immediately notify the Department.”
- ▣ OMM has entered into an interagency agreement with Illinois Emergency Management Agency (IEMA), wherein IEMA will handle all emergency calls.

Emergency Notification

- ▣ Illinois Emergency Management Telecommunications Center, which provides 24/7 call assistance, will receive all mine emergency calls
- ▣ All mine operators have the Telecommunications Center telephone number
- ▣ Procedures have been established that following an emergency call appropriate OMM staff are notified

Emergency Coordination

- ▣ Once agency personnel are on-site they will coordinate rescue operations with company and Mine Safety and Health Administration personnel