

# Mines Rescue Pty Limited

## Hunter Region



5 Underground Mines

&

2 new Mines coming online in 2005

18 Open Cut Mines

&

2 new Mines within next 2 years

Mines Rescue Pty Limited's principal  
function is training of Underground  
Brigade & Emergency Response to  
Underground Mines

Most common response to Underground Mines in the Hunter District is control of spontaneous heating:

- Heating Initially managed by the mines spon com management plan.
- escalates control with Mineshield Nitrogen Inertisation plant.



MINE RESCUE SERVICE WEST AUSTRALIA  
MINE SHIELD

NO SMOKING

aggreko  
generator  
1000 kVA

In addition to underground response we have a responsibility to respond to surface mines:

- Provide additional or specialist equipment
- Provide additional expertise if required
- Provide training on a commercial basis

# Surface training includes:

- Fire fighting
- Light vehicle extrication
- Breathing apparatus & Confined Space
- Heavy lifting / Extrication
- Heights / Depths Rescue
- Life Support / Casualty Recovery



































# **Introduction to Rescue**

**The competencies covered in this course form partial completion of Certificate II**

- Prevent Injury**
- Work in a Team**
- Operate communications systems and equipment**
- Operate Breathing Apparatus Open Circuit**
- Respond to Isolated/Remote Structural Fire**
- Participate in Rescue Operations**

# **Vertical Rescue Operator**

**These Competencies form partial completion of Certificate III**

- Prevent Injury**
- Work in a Team**
- Work Autonomously**
- Participate in Rescue Operations**
- Undertake Vertical Rescue**

# Most Common Response in Open Cut Mines

- Light vehicle
- Heavy vehicle
- Fire











# **Legislative requirements for Surface Emergency Response**

Section 47 Coal Mining Regulations requires an Emergency Management System

This system must identify:

- Competent personnel resources both internal & external
- A control structure
- Training
- Procedures
- Trials / Simulations
- Maintenance of equipment & training
- Equipment, facilities, personnel & communications systems must be readily available to control or limit the consequences of an incident

All emergency responders are  
volunteers & must pass physical  
and medical fitness tests regularly

Mines Rescue Pty Limited provide training on a commercial basis to:

- Other industry and mines in Australia
- These mines are serviced mostly by Hunter Valley and Western Mines Rescue Stations
- Metalliferous Mines
  - Tasmania
  - Queensland
  - Northern Territory
  - Western Australia
  - New South Wales
  - South Australia
  - Victoria

**East to West 4500 km**

**North to South 4000 km**



# Size comparison of Australia and United States



All these states have varying  
legislation requirements for  
provision of emergency response

# Western Australia



WA CORONERS ACT.

MINES SAFETY AND HEALTH ACT

# Nothern Territory



Coroners act

WORK HEALTH (OH&S) REGULATIONS

# Queensland



QLD. Mining & Quarrying Safety and Health act 1999

Mining & Quarrying Safety & Health Regulation 2001

Coroners Act 2003

# New South Wales



[Mines Inspection Act 1901 No 75](#)

[Mines Inspection Amendment Act 1998 No 69](#)

[Occupational Health and Safety Act 2000 No 40](#)

[Mines Inspection General Rule 2000](#)

[Coroners Act \(NSW\)](#)

# Victoria



Legislation Mines Act 1958

Coroners Act

Emergency Management Act

# South Australia



Mines & Workplace Inspection Regs

Mines and works inspection regulations 1998

Occupational Health, Safety and welfare Act 1986

Coroners Act 2003

# Tasmania



Workplace Health and Safety Act 1995

Workplace Health and Safety regulations 1998

Coroners Act 1995

State Emergency Rescue Management Act

This legislation in most cases requires an emergency response system and competent response personnel with suitable equipment to be available for response prior to mining commencing

**Training is available to these mines based upon the  
Metalliferous Mines Training Package MNM05**

Certificate III in Mine Emergency Response and Rescue

Including competencies such as:

- Respond to mine incident
- Control underground fires
- Conduct underground search
- Extricate casualties from underground incident
- Lead rescue team
- Operate breathing apparatus open circuit
- Monitor hazardous atmospheres
- Undertake vertical rescue
- Undertake confined space rescue

# **Metalliferous Mines Emergency**

## **Preparedness**

### **Certificate IV in Metalliferous Mining**

#### **Operations**

This course is designed to train key personnel at a mine to take control of an emergency and participate in an Incident Management Team.

The course is designed to complete the following competencies:

- Establish & manage mine emergency preparedness and response systems
- Implement emergency preparedness and response systems
- Apply & monitor emergency preparedness and response systems

# **Instructor training**

Mines Rescue Pty Limited is currently finalising a package designed to train Instructors from remote locations.

The instructor candidates must be:

- Experienced emergency response operators
- Have Certificate IV Workplace Trainer /  
Assessor

A process of assessment will ensure these instructors fulfill our Registered Training Organisation (RTO) requirements when presenting licensed Mines Rescue Pty Limited training packages.

Mines Rescue Pty Limited will have in place an audit process and will issue all certification.