

Focus on CSIR Kloppersbos Testing Facility

CSIR fires and explosion research, testing and training facility at Kloppersbos **open for business**

The CSIR mine fire and explosion testing and training facility at Kloppersbos provides safety awareness training to help prevent disasters caused by underground fires and explosions.

The one-day safety awareness seminar includes training and information on the following:

- Hazards associated with methane in underground mines;
- Methane ignition prevention;
- The role of ventilation in prevention of methane ignitions;
- How to effectively apply stone dust for inertising in order to prevent explosions;
- Application of fire prevention principles;
- Small-scale demonstrations of methane and coal dust ignitions and;
- Large-scale demonstrations of methane and coal dust explosions.

Covid-19 safety protocols are in place – your safety is our priority.

The CSIR has ensured that the risks of Covid-19 infection are adequately controlled for all persons visiting the Kloppersbos facility for testing and training activities. Our Covid-19 safety protocols include:

- Mandatory self-screening for Covid-19 symptoms and safety declaration by all persons before arrival;
- Temperature screening upon arrival;
- Compulsory wearing of face masks by all persons on site;
- Ample hand sanitising and hand washing stations available throughout the facility;



- Adequate social distancing is enforced both inside buildings and at demonstration facilities;
- Daily sanitising wipe-down of facilities and equipment; and
- Covid-19 compliance officer on site at all times during operating hours to ensure adherence to the above Covid-19 risk controls.

Our social distancing requirements limits the training seminar to a **maximum of 40 persons**.

Trainees receive welcome refreshments upon arrival and a braai lunch before departure. All food and beverage services adhere to strict Covid-19 protocols.

Other services include:

- Laboratory tests to determine explosibility of coal dust and other industrial dust samples;
- Burn testing to evaluate fire-retardant properties and toxicity e.g. conveyor belt, vehicle tyres; and
- Full-scale testing of explosion suppression products and systems.

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