

MINING

Toxic gases and vapours from machinery and underground environments are in the air. How can you tell if you're safe?



GASTEC DOES THAT

Detect hazardous gases in the air so that you're prepared.

Situation

Airflow/Air Monitoring

Problem

Used in underground mining to understand and monitor direction of airflow

Gastec Solution

- IG6500 Gastec Smoke Test Kit
- IG6501 tubes can be used to show direction of airflow from mine ventilation

Machinery/Mobile Equipment Maintenance

During equipment maintenance intervals, gas levels of CO, NO_x (NO+NO₂), SO₂, CO₂ that are emitted from vehicle exhaust need to be measured

- IG6345B hot probe and IG6345A hot probe holder that allows the hot exhaust sample to cool prior to being drawn through the tube
- IG1L and IG1M carbon monoxide tubes
- IG2L, IG2LC carbon dioxide tubes
- IG5La and IG5L sulphur dioxide tubes
- IG10, IG11L, IG11S, IG11HA nitrogen oxides tubes

Blast Gas Measurement

Explosives used in mining produce hazardous gases including carbon monoxide CO, nitrogen monoxide NO and nitrogen dioxide NO₂

- IG1L, IG1M, IG1H carbon monoxide tubes
- IG10 nitrogen monoxide tube
- IG9L, IG10 nitrogen dioxide tubes

Industrial Hygiene

Workers are exposed to various gases and vapours throughout the day which need to be measured

- Passive Dosi-Tubes can be used to measure personal TWA (time weighted average) exposures. These tubes include:
- IG1D & IG1DL tubes for carbon monoxide
 - IG2D tube for carbon dioxide
 - IG12D tube for hydrogen cyanide
 - IG9D and IG9DL tubes for nitrogen dioxide
 - IG5D and IG5DH tubes for sulfur dioxide

Refuge Station Monitoring

In the case of emergency use of Refuge Stations, there must be acceptable levels of CO₂ and Oxygen

- IG2LL and IG2L carbon dioxide tubes
- IG31B oxygen tube

