



Purpose

The purpose of these requirements are to:

- **define** authorized users.
- **align** minimum training for authorized users.

Scope

The following is in scope and out of scope.

| In scope | Out of scope |
|---|------------------------|
| Use of portable single and multi-gas equipment. | Personal H2S monitors. |

Authorized users

Authorized users are trained, competent, and qualified to use portable single and multi-use gas equipment.

Portable single and multi-use equipment

- Gas Clip (4-gas).
- Gastec sampling pump (colorimetric tubes).
- Ventis (H2S meter).
- UltraRAE/PID.
- Any other specialized gas monitoring equipment.

Training requirements

Training for authorized users includes:

| Initial training | Refresher training |
|---|---|
| <ul style="list-style-type: none"> • Classroom training. • Competency verification. | <ul style="list-style-type: none"> • If equipment changes. • Every 3 years. |

Equipment alarm set points

Equipment alarm set points must be:

| Item | Low alarm | High alarm |
|------------------|-----------|------------|
| Oxygen | 19.5% | 23.5% |
| Item | Alarm | |
| LEL | 10% | |
| Hydrogen Sulfide | 10 PPM | |
| Carbon Monoxide | 25 PPM | |



Do not use
equipment

Do not use equipment if:

- bump or calibration is due.
- it does not pass start up test.
- visually damaged or not functioning properly.
- you have concerns about accuracy.



WARNING:

Using compromised equipment can result in serious injury or death.

Requirements for
equipment
maintenance/replacement

Return equipment to Safety Specialist for maintenance or repair. Safety Specialist will determine if replacement is needed.

Document Retention

Calibration and bump test data for document retention will be maintained by HSE as needed.