



Health & Safety Standard

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1 Purpose

The Hot Work standard sets the requirements to manage the risk of ignition sources used to perform work within classified areas. This standard is intended for individuals accountable or responsible for hot work.

2 Application

This standard applies to hot work performed on Cenovus sites in or adjacent to classified areas and in, on, or near equipment that could contain flammable and combustible materials.

3 Requirements

Entities shall create site-specific procedures and processes that meet or exceed the Hot Work standard. Where the requirements of this standard conflict with the requirements of local, federal, or other regulatory bodies, the most stringent requirement shall apply.

The entity should eliminate ignition sources by selecting alternative methods or equipment to eliminate ignition sources and/or contact with flammable and combustible materials.

Entities shall document and communicate the boundaries of all classified areas to workers.

All hot work shall be authorized by a safe work permit.

3.1 Designated safe areas

The entity should conduct hot work in a safe area free of flammable and/or combustible materials and outside the classified area.

A safe area shall be subject to a risk assessment that documents the boundaries, purpose, and limitations of the safe area.

3.2 Testing and monitoring

The entity shall identify and test for flammable and combustible materials prior to authorizing hot work.

Atmospheric testing shall be performed as close as practicable to the work location and in all areas where sources of flammable gas or vapour are known to exist.

Atmospheric testing shall be conducted continuously or at a sufficient frequency to establish the area remains free of flammable materials for the duration of the work. Testing shall be done by a worker qualified for gas testing.

All reasonable efforts shall be made to reduce the lower explosive limit (LEL) to 0% and, where practicable, remove flammable and/or combustible materials from affected equipment and in the hot work zone.

If gas concentrations exceed 10% LEL, work shall be stopped, the source of flammable gas investigated, and corrective actions taken prior to restarting work.

Devices used to perform atmospheric testing shall be:

- function tested prior to use.
- used according to its design.

Hot work shall not be performed when the atmosphere of the work area:

- contains a concentration of flammable gas or vapour greater than 10% of its LEL.
- has flammable and/or combustible materials present that are within reach of an ignition source.

3.3 Fire Watch role

A Fire Watch shall be assigned and utilized as per NFPA 51B for the duration of high energy hot work when combustible materials are present in the hot work zone.

The Fire Watch shall be at the worksite while the hot work is being performed and shall be maintained for a minimum of one hour after completion of the hot work to detect and extinguish smoldering fires.

Communication shall be maintained between the Fire Watch and workers performing the hot work.

3.4 Equipment used in classified areas

Vehicles and powered mobile equipment should not be used within classified areas.

All vehicles and mobile equipment powered by electricity or internal combustion engines entering or used within a classified area shall be authorized by a hot work permit, unless designed to be used in a classified area.

All equipment used for hot work in classified areas shall be selected, inspected, and maintained and verified as safe for use.

Positive air shut off (PASO) devices shall be installed and functional on all diesel engines used in a classified area.

3.5 Training

Issuing Authorities for hot work shall be trained and competent in atmospheric testing and monitoring.

Personnel conducting Fire Watch duties shall be trained and competent in:

- atmospheric monitoring
- inspection and use of portable fire extinguishers
- the entity's procedures for sounding an alarm in the event of a fire

Personnel who operate, inspect, or monitor equipment used during hot work in a classified area shall be trained and competent.