



Saskatchewan Health Authority

Policy

Saskatoon & Area - Occupational Health & Safety

Number: 55-009

Title: Other Hazards: Hot Work/Welding

Saskatchewan Employment Act:

OHS Regulation: 25-1, 25-5, 25-12, 25-15

Date: January 1, 2017

Date Revised/Reaffirmed: December 2, 2021

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Purpose

To ensure that workers understand and receive training on how to identify and control hazards before and while performing hot work

Definition

- **“Hot work”** means work that produces arcs, sparks, flames, heat or other sources of ignition

Roles and Responsibilities

Employer must ensure:

- That no hot work will be performed in an area where a flammable substance is or may be present until suitable tests have been conducted; These tests must include:
 1. Whether the atmosphere contains a flammable substance large enough to cause an explosion
 2. Confirmation that the work can be performed safely

Manager/Supervisor must ensure:

- That roles and responsibilities of all workers are being met, as well as applicable legislation and/or standards
- Safe work procedures are developed in accordance to clause 25-5(1)(b) of the Saskatchewan Occupational Health & Safety Regulations
- Workers are trained in the safe work procedures
- Workers are adequately supervised in the safe work procedures
- When hot work must be performed, tests must be conducted in accordance with 25-12 of the Saskatchewan Health & Safety Regulations
- That no hot work will be performed until any materials that may cause a fire hazard have been controlled to eliminate or reduce the risk of fire
- That no hot work will be performed on a pipe or container that has contained a flammable liquid until the pipe or container has been purged and the flammable liquid has been removed
- That no welding or cutting will be performed on metal which has been cleaned with a flammable or combustible liquid has dried
- That an approved flashback device is installed on both hoses at the regulator end that all acetylene and liquefied gas containers are used and stored in an upright position

Worker must ensure:

- They are trained in and follow the safe work procedures
- They are trained in and use any PPE required (selection, use, care and handling)
- They report to their supervisor and the Safety Alert System/Incident Report Line any incidents or near misses involving hot work
- That they will not perform hot work around any material that may constitute a fire hazard
- That they will not performed hot work on a pipe or container that has contained a flammable liquid or that has not been properly purged
- That they do not perform welding or cutting of a metal that has been cleaned with a flammable or combustible liquid until the liquid has dried
- That they shut off the container and the valve and release pressure in the hose when finished performing work with any gas burning or welding equipment

Orientation & Training

- Specific to hot work performed

Materials

- Appropriate PPE if required

Non-Compliance/Breach:

Non-compliance with this policy will result in a review of the incident. A review for non-compliance may result in disciplinary action, up to and including termination of employment or privileges; fines and /or prosecution of individuals under the Saskatchewan Employment Act and OHS Regulations.

Review Dates:

January 1, 2017

May 28, 2018

December 2, 2021