



# CITY OF ST. PAUL

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## CONFINED SPACES

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The Saint Paul Department of Fire & Safety Services is attempting to identify businesses (buildings) that have confined spaces on their premises. These spaces do not need to be entered on a regular basis, but they may be entered for the following reasons:

- 1) Periodic Cleaning
- 2) Routine Maintenance / Repairs
- 3) Upgrading / installing new internal parts
- 4) Inspections

For example, a large duct work system with sprinkler heads or smoke/flame detectors is considered a confined space, but workers would not need to enter these spaces unless (on rare occasions) a sprinkler head was tripped, broken, or needed replacing.

**AS PER OSHA STANDARDS, THESE SPACES ARE STILL TO BE CONSIDERED CONFINED SPACES.**

Please enter such confined spaces on the report. We will sort them out at a later date during our prioritization phase of this project.

Continue on reverse side

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### IF YOU LOCATE A CONFINED SPACE, PLEASE OBTAIN THE FOLLOWING INFORMATION:

**BUILDING ADDRESS:** \_\_\_\_\_

**BUSINESS NAME:** \_\_\_\_\_

**CONTACT PERSON:** \_\_\_\_\_ **PHONE#:** \_\_\_\_\_

**TYPE OF CONFINED SPACE:** Vat Tank Pit Storage Transportation Tunnel/ Other \_\_\_\_\_  
(Circle one) bin vessel sewer

**HAZARDS PRESENT:** Liquid Solid Gas Chemical Electrical Radioactive  
(Circle all that apply)

**FREQUENCY OF ENTRY:** Daily Weekly Monthly Annually As needed Emergency only  
(Circle one)

**PRIMARY RESCUER:** In-house rescue team Private rescue team contract St Paul Fire  
(Circle one)

# CONFINED SPACE RECOGNITION

## MINNESOTA OSHA RULES 5205.1010 "DEFINITIONS"

Subpart 1. **Confined Spaces:** "Confined Space" is defined as a special configuration that could result in any of the following:

- A. **Atmospheric Condition** - a condition in which a dangerous air contamination, oxygen deficiency, or oxygen enrichment may exist or develop.
- B. **Entry/exit access** - a condition where the emergency removal of a suddenly disabled person is difficult due to the location or size of the access opening; or
- C. **Engulfment conditions** - a condition where the risk of engulfment exists or could develop.

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### Definitions:

<b>Oxygen enrichment:</b>	An atmosphere containing oxygen concentrations greater than 23% by volume.
<b>Oxygen Deficient:</b>	An atmosphere containing oxygen concentrations less than 19.5% by volume.
<b>Engulfment:</b>	The surrounding and effective capture of a person by finely divided particulate matter or a liquid.

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## FEDERAL OSHA REGULATION 29CFR 1910.146

A **Confined Space** is defined as a space that:

- 1) Is large enough and so configured that an employee can bodily enter to perform assigned work; and
- 2) Has limited or restricted means for entry or exit; and
- 3) Is not designed for continuous employee occupancy.

Examples:

Tanks, vessels, silos, storage bins, hoppers, vaults, vat, boilers, and pits.

Also: Sewers, ducts, lift stations, tunnels for utilities, and the like.