

CO Poisoning – Can Your Employer Do More to Protect you?

On July 4, 2023 Seven people were taken to hospital for carbon monoxide poisoning following an accident at a construction site in North York, ON. A fan on a piece of machinery workers were using cut out causing the carbon monoxide levels to spike in the room and led to the workers becoming dizzy.

The ministry is investigating but... let's not wait for their results and review controls that should be in place to prevent this from occurring. That means recognizing, evaluating and controlling exposure and re-evaluating to ensure that previously recognized hazards are still being controlled.

Controlling CO exposure in construction operations should begin before the job starts. To reduce CO to acceptable levels, a combination of controls may be necessary, such as:

- Minimizing the use of fuel-fired equipment indoors, keeping compressors and generators outside whenever possible
- Using air movers or large fans to ventilate the area and keeping windows and doors open to bring fresh air in and let contaminated air out
- Requesting information from contractors and subcontractors about fuel-powered equipment that will be used on site

If the hazard cannot be illuminated, then controls must be put in place. CO has poor warning properties. To detect it in the workplace, air quality testing equipment is needed. On a worksite that may mean a portable CO monitor. When choosing a CO monitor consider:

- Cost (What features are needed, for example: you may not need data logging)
- Weight and Portability (Will they be worn on hard hat or clipped on a shirt?)
- Ruggedness (Could they be bumped, dropped or exposed to concrete or water?)
- Weather, temperature and humidity (any extremes should be discussed with manufacturer)
- Simplicity of operation (Choose one where the operator can understand all of its functions and how to use it properly)
- Before a worker operates a CO monitor they must be trained on: • Hazards of CO • Legal requirements related to CO exposure • Operating instructions • Limitations of the instrument • Calibration and bump testing requirements • Alarm limits • Care and use of the instrument • Any other information that the manufacturer considers important.

Whenever possible, a detector should be worn by a worker, and when accessing who needs one. The longer a worker is exposed to CO, their work intensity (heavy work can increase exposure to CO) and or other factors (heart problems, lung disease, and smoking may make workers more susceptible to the effects of CO)

If that is not possible, the monitor may be attached to a structure or piece of equipment in close proximity to workers, although a stationary monitor may not give a true indication of the workers' exposure.

Carbon Monoxide



Court Bulletins

Review the bulletin below and click on the link to know more if this hazard could occur in your workplace.



[July 26 - Fatality - National Steel Car Limited Fined \\$140,000](#)

A worker sustained fatal injuries operating a personnel lift while preparing to spray paint a railcar. National Steel Car Limited failed to maintain in good condition the safety release button inside the personnel lift, contrary to section 25(1) (b) of the OHSA.

The worker were tasked with painting a railcar inside a large industrial sized paint booth. To complete the task the worker used a personnel lift and had to lean forward with their body partly outside of the lift. The worker was fatality injured when the lift continued up and trapped him. It was determined that the lift did not have a functional safety release mechanism.

In failing to ensure that the steel rebar cage was adequately braced, the employer failed, to ensure that S 31(1) (b) of Reg 213/91 were carried out, contrary to S 23(1)(c) of the OHSA.

[July 19 - Pedestrian Fatality - D & A Road Services Inc., Fined \\$125,000](#)

A pedestrian was fatally struck by a dump truck in a work zone near a TTC bus stop.

D & A Road Services Inc. was removing asphalt from the roadway on Finch Avenue and loading it into dump trucks operated by separate contractors. There was a pedestrian crossing within the work zone, and work operations would stop periodically, including to allow pedestrians to travel along the crossing, within the orange barriers, to and from a temporary bus stop.

S member of the public was observed entering the work zone through the orange barriers that were left slightly ajar, to retrieve a plastic bag. At the same time, the truck operator finished the paperwork and resumed operating the dump truck, striking the pedestrian. The pedestrian suffered fatal injuries.

D & A Road Services Inc. failed, as an employer, to ensure a sturdy fence at least 1.8 metres in height was constructed between the public way and the project, as prescribed under S 65 of Reg 213, contrary to S 25(1)(c) of the OHSA.

[July 17 - Working at Heights Fatality - FHES Ontario Ltd. and Lebo Farms Ltd., Fined \\$170,000](#)

Workers employed by FHES Ontario Ltd. were installing vent glass and vent glass weather strips on a greenhouse roof under construction by Lebo Farms Ltd.

One worker was using a raised metal aluminium trolley platform, known as a glazing cart trolley, to stand on while installing the weather strips on the glass window vent panels on the roof of the greenhouse. This platform had no guardrails on the sides and required workers to use another method of fall protection, such as a fall arrest harness with a retractable lanyard that was to be connected to the platform. During the course of the work, one of the workers fell through the glass panel, 25 feet to the ground, suffering fatal injuries.

Documentation showed that the worker had successfully completed working at heights and fall arrest training. However, it was determined that while the worker was wearing a fall protection harness, the lanyard was not connected to the platform.

FHES as an employer did not ensure that the worker had received appropriate information and supervision in the use of the installation platform/glazing trolley cart contrary to S 25(2)(a)of the OHSA. Fined \$70,000

Lebo Farms, as the constructor with overall onsite safety responsibilities, did not ensure that the worker was wearing appropriate fall arrest protection while on the roof, contrary to S 26.1(2) of Reg 213, and an offence under S 25(1)(c) of the OHSA. Fined \$100,000.

MLITSD H&S Inspection Blitzes in 2023–2024

Campaigns are organized by sector, with a separate section for campaigns that fall under the areas of expertise of our Specialized Professional Services Unit: Remember, individual workplaces that will be inspected are not notified in advance. To learn more [click here](#) and make sure you are prepared.



Construction

Falls from heights in single family residential April 1, 2023 to March 31, 2024

The goal of this initiative is to prevent falls from heights in single and multi-family residential construction projects such as roofing and framing activities. Inspectors will be checking:

- Whether employees have completed the required working at heights training
- Use of fall protection pre-planning and guardrail systems
- The effectiveness of the Internal Responsibility System (IRS)

Struck-by equipment in specific settings April 1, 2023 to March 31, 2024. This initiative will focus on activities where employees could be struck by material, vehicles or equipment to prevent “struck-by” incidents.

- Inspectors will be checking:
- Equipment is being safely operated, maintained, and inspected
- Materials are being safely stored and handled
- Whether employees have training for material handling activities

The focused will be on:

- single family residential
- multi-family residential
- industrial
- commercial
- road/sewer/water

Health care

Prevention of musculoskeletal disorders (MSD) Phase 2: June 1, 2023 to March 31, 2024. Inspectors will check whether employees are protected from MSDs when they are doing activities such as:

- Providing care to clients
- Handling materials such as laundry or moving heavy objects
- Responding to situations such as client falls, fire alarms, or evacuations

Industrial

Material handling Phase 2: May 1, 2023 to March 31, 2024. This initiative will focus on manufacturing and farming workplaces where large objects are lifted, carried, or moved. The goal of this initiative is to raise awareness of material handling hazards and prevent employees from being injured when large objects are being moved. Here are some of the areas that inspectors will focus on during an inspection:

- The effectiveness of the Internal Responsibility System (IRS)
- Joint Health & Safety Committee (JHSC) representation
- Training provided by the employers (for example, supervisor competency training, worker awareness training, JHSC training for committee members)
- Safety of lifting devices/mobile equipment/cranes
- Manual material handling
- Machine guarding, blocking and lockout
- Workplace layout and design including storage systems

Mining

Training (Common Core and Specialty Modules) Phase 2: June 1, 2023 to March 31, 2024

Specialized Professional Services

Respiratory Protection Program Phase 2: July 4, 2023 to March 31, 2024

Asbestos in building structures (hygiene) Phase 2: July 4, 2023 to March 31, 2024

Joint Health and Safety Training (In Class and Distance Learning)

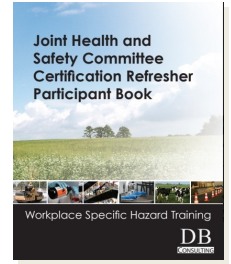
Safetyscope can help with:

- In Class sessions for DBC Inc. JHSC Part 1, Part 2 and Refresher Training
- Distance Learning (Virtual) Refresher training utilizing DBC Inc. approved Training

Safetyscope is an approved provider

We have continued to expand our scope and now Safetyscope is an approved provider for the following:

- Toronto Water for Working at Heights
- Safetyscope is a TSSA Approved Training Provider
- Safetyscope is an approved provider for Corrections Canada



Online Training with InFuse

Safetyscope has partnered with InFuse Compliance Systems to offer a full turn-key Health & Safety solution that includes a robust suite of Online Training. For more information [Click Here](#)



Safetyscope's Public Training Sessions

With our COVID-19 procedures in place, Safetyscope is now holding regular public training sessions in Working at Heights, Working at Heights Refresher and Confined Space Awareness.

Safetyscope staff are 100 percent vaccinated.

If your organization requires any additional courses, please contact us with your training needs at training@safetyscope.net.

Safetyscope Continuing to Maintaining Registration as an OWWCO Training Provider

These courses meet the criteria in subsection 29(4) of O.Reg. 128, Certification of Drinking Water System Operators and Water Quality Analysts. On Completion of training all participants will receive a certificate of completion with corresponding CEU Value.

1. Working at Heights	.7 CEU
2. WHMIS 2015	.4 CEU
3. TDG	.4 CEU
4. Working in Confined Spaces Rescue Level	2.8 CEU
5. Confined Spaces Attendant Non Entry	1.3 CEU
6. Confined Spaces Advanced Entrant	.7 CEU
7. Confined Spaces Attendant Refresher	.7 CEU
8. Confined Spaces Rescue Refresher	.7 CEU
9. Standard First Aid	1.4 CEU
10. Self Contained Breathing Apparatus	.4 CEU
11. Spill Response	.7 CEU
12. Trenching Hazards	.4 CEU



SAFETYSCOPE



2023 SCHEDULE

1 Day Entrant & 2 Day Attendant Course

Time: 8:00 am – 4:00 pm

January	16 - 17
February	13 - 14
March	20 - 21
April	17 - 18
May	15 - 16
June	19 - 20
July	17 - 18
August	14 - 15
September	11 - 12
October	16 - 17
November	13 - 14
December	11 - 12



Competent Supervisor 1 Day Course

Time: 8:00 am – 4:00 pm

February 28
April 27
June 29
August 31
October 26



Day 1 - Emergency Level/Recertification Day 2 - Standard First Aid Level C

Time: 8:00 am – 4:00 pm

February	6 - 7
May	8 - 9
August	8 - 9
November	6 - 7



Working At Heights 1 Day Course

Time: 8:00 am – 4:00 pm

January	13 & 27
February	10 & 24
March	10 & 24
April	14 & 28
May	12 & 26
June	9 & 23
July	7 & 21
August	4 & 18
September	1, 15 & 29
October	13 & 27
November	10 & 24
December	8



Working At Heights Refresher 1/2 Day Course

Time: 8:00 am – 4:00 pm

January	6 & 20
February	3 & 17
March	3 & 31
April	21
May	5 & 19
June	2, 16 & 30
July	14 & 28
August	11 & 25
September	8 & 22
October	6 & 20
November	3 & 17
December	1 & 15



JHSC Part 1 Certification

Dwight Barratt Inc. - 3 Day Course

Time: 8:00 am – 4:00 pm

March	27 - 29
August	28 - 30
November	27 - 29



Part 2 and Refresher also available

Confined Space Rescue 4 Day Course

Time: 8:00 am – 4:00 pm

May 29 - June 1
December 18 - 21



Course held at the SafetyScope Training Centre

2501 Rutherford Road Unit 22 Vaughan, Ontario L4K 2N6

Phone: 416.231.3752 E-mail: info@safetyscope.net

2022 Calendar Year