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The *Workers Compensation Act* requires that the employer must post a copy of this report in a conspicuous place at or near the workplace inspected for at least seven days, or until compliance has been achieved, whichever is the longer period. A copy of this report must also be given to the joint committee or worker health and safety representative, as applicable.

Inspection Report #202621072905A

Employer Name	Jobsite Inspected	Scope of Inspection
UNIVERSITY OF VICTORIA	3964 Gordon Head Road Victoria BC V8N 3X3	Stop Use

Date of Initiating Inspection	Date of This Inspection	Delivery Date of This Report	Delivery Method
Sep 02, 2026	Sep 02, 2026	Sep 02, 2026	Email

THERE ARE TWO (2) ORDERS OR OTHER ITEMS OUTSTANDING

ACTION REQUIRED

Summary of Orders or other Items

See "Orders/Items – Full Details" section of this Inspection Report for orders/items cited

Order/Item No.1 ☐	Status: Outstanding	Cited: OHS5.73(a)
Order/Item No.2 ☐	Status: Outstanding	Cited: WCA89(1)

ORDER STATUS LEGEND

Order Status	Description
Outstanding	Order Outstanding - Action Required to Achieve Compliance
Complied	Compliance Achieved - No Further Action Required
Closed	Order is Closed
Rescinded	Order has been cancelled - No Further Action Required

INSPECTION NOTES

On September 2, 2026, WorkSafeBC occupational hygiene officer Marion Wylie (author) attended the University of Victoria's Ian Stewart Complex, located at 3964 Gordon Head Road, Victoria, British Columbia, in response to a reported carbon monoxide exposure incident involving Zamboni Ice Resurfacer, model number 446, serial number 11150 (Zamboni) that occurred on September 1, 2026.

The purpose of this inspection report is to document the inspection of the circumstances surrounding the operation of the Zamboni and the elevated carbon monoxide concentrations detected within the facility, and to determine whether the equipment could continue to be operated safely. As a result of the inspection, a stop use order was issued prohibiting operation of the Zamboni until the employer demonstrates that the equipment can be operated in a manner that does not create a risk to workers. This inspection report is meant to be read in conjunction with IR202621072904A which documents the incident and stop work order. The following is a summary of observations and discussions relevant to the stop use order.

- The facility attendant supervisor advised that they operated the Zamboni for approximately one hour while resurfacing the ice on September 1, 2026. A facility attendant in training was present and observing the work activities.
- The facility attendant supervisor stated that a third facilities worker subsequently advised them that they had observed an unusual exhaust odour that seemed to be coming from the Zamboni.
- The facility attendant supervisor left the rink area to remove accumulated ice and reported that, upon re-entering the area, they observed that there was an exhaust odour and contacted the facility operations coordinator.
- The facility operations coordinator advised that a shift engineer attended the facility with a four-gas monitor and detected elevated carbon monoxide concentrations from the exhaust of the Zamboni and within the building. Their gas monitor alarmed.
- Employer and worker representatives stated that the fire department subsequently attended the facility and measured elevated carbon monoxide concentrations in the building, including readings of approximately 400 ppm within the change room areas.
- The facility attendant supervisor provided the employer's daily equipment inspection documentation. The inspection checklist included checking tires, propane, and grease levels.
- The facility operations coordinator advised that the employer's practice is to send the Zamboni for maintenance every two years and that this unit was due for service in September of this year. The employer was unable to provide information demonstrating that this maintenance interval is consistent with the manufacturer's specifications or that engine emission levels had been verified as part of the maintenance program.
- Discussions were held regarding the requirements of OHSR section 5.73(a), which requires that mobile equipment powered by an internal combustion engine and operated indoors or in an enclosed work area be adequately serviced and maintained to minimize the concentration of air contaminants in the exhaust (**See Order 1**).
- The emergency planner advised that they had investigated other potential carbon monoxide sources in the building, including the boiler system and determined that the source of the carbon monoxide was the Zamboni exhaust using real time measurements and the building carbon monoxide detector which showed elevated readings corresponding to when the Zamboni was in operation.
- The operation of the Zamboni resulted in carbon monoxide concentrations high enough to require evacuation of the facility and intervention by emergency responders. Carbon monoxide is a toxic gas that can rapidly create a risk of serious injury to workers when generated in an enclosed workplace.
- At the time of inspection, the employer had not provided information demonstrating that the Zamboni had been maintained in accordance with the manufacturer's recommendations or that the engine emissions had been assessed and found to be acceptable for continued indoor operation.

Based on the elevated carbon monoxide concentrations identified during the incident, the significant risk of worker exposure to a toxic atmospheric contaminant, and the absence of information demonstrating that the Zamboni had been adequately maintained to minimize exhaust emissions, there was insufficient information available during the inspection to conclude that continued operation of the equipment would not endanger workers.

A stop use order was therefore issued prohibiting operation of the Zamboni until the employer has identified and corrected the factors contributing to the incident and can demonstrate that the equipment can be operated safely, including verification that the

engine and exhaust system have been adequately inspected, serviced, and maintained to minimize the concentration of air contaminants in the exhaust.

If you have any questions regarding this report, please contact:

Marion Wylie

WorkSafeBC - Prevention Field Services - Victoria B.C.

Desk: 250.881.7272

Marion.Wylie@WorkSafeBC.com

The WorkSafeBC prevention phone line is 1.888.621.7233 (621- SAFE) toll free in British Columbia.

This Inspection Report contains a stop use order.

ORDERS/ITEMS

An employer who fails to comply with Occupational Health and Safety ("OHS") provisions of the *Workers Compensation Act*, the Occupational Health & Safety Regulation, or WorkSafeBC orders may be subject to monetary or other sanctions as prescribed by the *Workers Compensation Act*.

Orders/Items - Full Details

Order/Item No.1 ☐	Status: Outstanding	Cited: OHS5.73(a)
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The employer has not ensured that the indoor-operated Zamboni Ice Resurfacer, powered by an internal combustion engine, is adequately serviced and maintained to minimize the concentration of air contaminants in the exhaust.

The following evidence supports this order:

- The Facility Attendant Supervisor told me that they operated the Zamboni for approximately one hour on the day prior to the inspection while maintaining the ice surface and that the Zamboni exhaust smelled different than usual. After they left the building to remove the ice and were going to reenter the building they suspected that something was wrong with the Zamboni. They evacuated the building and called the fire department. The fire department told them that they measured exceeding 100 ppm.
- The Facility Attendant Supervisor told me that the Shift Engineer measured the exhaust from the Zamboni using their 4-gas monitor and that it alarmed.
- The Facility Operations Coordinator stated that the Zamboni is maintained by a third party every two years and is currently scheduled for maintenance in September.
- The Facility Operations Coordinator was unable to confirm whether this maintenance frequency is consistent with the manufacturer's recommended service intervals or recognized industry practices for minimizing exhaust emissions from indoor-operated internal combustion equipment.

This is in contravention of the Occupational Health and Safety Regulation Section 5.73(a).

If mobile equipment powered by an internal combustion engine is operated indoors or in an enclosed work area the engine must be adequately serviced and maintained to minimize the concentration of air contaminants in the exhaust.

Measures to Ensure Compliance:

The employer must ensure that the indoor-operated Zamboni Ice Resurfacer is adequately serviced and maintained to minimize the concentration of air contaminants in the exhaust.

To comply this order the employer must provide this officer with evidence that the Zamboni is adequately serviced and maintained to comply with the above order.

Orders/Items - Full Details		
Order/Item No.2 ☐	Status: Outstanding	Cited: WCA89(1)
Based upon the violation(s) cited in this Inspection Report, the Board has reasonable grounds to believe that a thing that is being used or that may be used by a worker in this workplace is either not in safe operating condition, or does not comply with the OHS provisions or the regulations. Pursuant to section 89(1) of the <i>Workers Compensation Act</i>, the University of Victoria is ordered to immediately stop use of the Zamboni Ice Resurfacer, model number 446, serial number 11150. Pursuant to section 89(4) of the <i>Workers Compensation Act</i> the Zamboni Ice Resurfacer, model number 446, serial number 11150 subject to this order must not be used until WorkSafeBC is satisfied that the Zamboni Ice Resurfacer, model number 446, serial number 11150 is safe and complies with the OHS provisions and the regulations and this order is cancelled by the Board. If the Board has reasonable grounds for believing that a thing that is being used or that may be used by a worker: (a) is not in safe operating condition, or (b) does not comply with the OHS provisions or the regulations, the Board may order that the thing is not to be used until the order is cancelled by the Board. The employer has removed the Zamboni Ice Resurfacer, model number 446, serial number 11150 from the building and tagged it "Do not use out of order."		

REFERENCES

In addition to any orders, or other items, and the information provided in the Inspection Notes section in this Inspection Report, the officer may discuss other health and safety issues with the employer arising out of the inspection. The information below sets out the health and safety requirements discussed with the employer, and unless otherwise noted, violations of these requirements were not observed.

Reference	Details Discussed
WCA89(4) The Board may cancel an order under Workers Compensation Act Part 2 Division 12 Section 89 only if it is satisfied that the thing in respect of which the order was made is safe and complies with the OHS provisions and the regulations.	It was explained to the employer that the item identified in this Inspection Report that is subject to the stop use order must not be returned to service until it is made safe and complies with the OHS provisions and Regulations, and this stop use order is cancelled by WorkSafeBC.

Employer #	Mailing Address	Classification Unit #	Operating Location
80391	OCCUPATIONAL HEALTH SAFETY & ENVIRO PO BOX 1700 STN CENTRAL VICTORIA BC V8W 2Y2	765010	001

Lab Samples Taken	Direct Readings	Results Presented	Sampling Inspection(s)	Workers onsite during Inspection	Notice of Project Number
N	N	N		6	

Inspection Report Delivered To	Employer Representatives Present During Inspection	Worker Representatives Present During Inspection	Labour Organization & Local
Lori Zehr	Lori Zehr Rob Johns Jaclyn Davidson Jesse Neville	Quy Nguyen Paul Mason	CUPE 917

WorkSafeBC Officer Conducting Inspection
Marion Wylie

*Inspection Time	*Travel Time
1.5 hrs	2 hrs

*The time recorded above reflects the inspection time and travel time associated with this inspection report and includes time spent on pre and post-inspection activities. Additional time may be added for subsequent activity.

Request a Review

Any employer, worker, owner, supplier, union, or a member of a deceased worker's family directly affected may, within 45 calendar days of the delivery date of this report, in writing, request the Review Division of WorkSafeBC to conduct a review of an order, or the non-issuance of an order, by contacting the Review Division. Employers requiring assistance may contact the Employers' Advisers Office at 1-800-925-2233.

To submit a request online, visit <https://www.worksafebc.com/en/review-appeal/submit-request>

WorkSafeBC values your feedback. To obtain that feedback, an external market research provider may be contacting you to complete a survey.

WorkSafeBC's online services provide employers with tools to view information and to complete a variety of transactions with us in an easy, fast, and secure way. Through an online services account, you can view and download your inspection reports and compliance agreements, submit Employer Incident Investigation Reports, view your Health & Safety Planning Tool Kit, and more. Visit [worksafebc.com](https://www.worksafebc.com) to log in or create an account.