

CSAM NEWS

The latest in Association, industry and safety news

February 2018



CSAM: THE Safety Conference takes the lead on occupational safety & health training for construction and related sectors in Manitoba

Your Construction Safety Association of Manitoba (CSAM) hosted its annual CSAM: THE Safety Conference on February 6 & 7, 2018, at the RBC Convention Centre in Winnipeg.

Over 1,600 participants from across the province came together for two days of occupational safety and health training, management sessions and hands-on workshops designed to aid workers in creating a safe work environment.

Recognized as Canada's premier construction safety conference, CSAM: THE Safety Conference continues to keep its positive and proactive reputation standing by offering more courses that speak to industry's needs and requirements for creating and maintaining a safe workplace.

Mike Jones, Conference Chair, Executive Director at the Construction Safety Association of Manitoba, is pleased with the successes of this year's conference and all that it means for the construction industry.

"CSAM: THE Safety Conference continues to capitalize on offerings for the building construction sector in Manitoba. We've expanded our course listings to offer training in more areas that speak to the construction industry's needs and reflect the standards of training that we've been working hard to achieve. We have two-days of Management Sessions that welcome opportunities for critical thinking and open discussion about different leadership styles, how to value every member of our workforce and the steps needed to create a psychologically healthy workplace. And lastly, we have safety training that is supported by our partners, including the industry-based safety associations in Manitoba – bridging the gap between construction and connected industries."

On behalf of the Construction Safety Association of Manitoba, we thank all our participants, instructors, exhibitors and sponsors for participating and supporting our annual CSAM: THE Safety Conference!

HIGHLIGHTS

- 1 CSAM: THE Safety Conference takes the lead on occupational safety & health training for construction and related sectors in Manitoba
- 2 The Westman Safety Conference is back with education and training that speaks to all industries
- 3 Women of Influence Speaker Series - Thursday, March 8, 2018 - International Women's Day
- 4 Lack of Fall Protection Results in \$140K Fine
- 5 Saskatoon Company Fined \$420K for Worker Fatality
- 6 Pneumatic Nail Gun Toolbox Talk
- 7 Your Construction Safety Association of Manitoba is pleased to introduce CANManage - a safety data sheet management service developed and managed by the Canadian Centre for Occupational Health & Safety (CCOHS). Learn more at constructionsafety.ca.

**CONSTRUCTION SAFETY
ASSOCIATION OF MANITOBA**



CSAM: THE Safety Conference

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CSAM: THE Safety Conference

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The Westman Safety Conference is back with education and training that speaks to all industries

The Westman Safety Conference is returning to Brandon, MB, on April 18 & 19, 2018, with an assortment of two-, one- and half-day courses that speak to the needs of **all** industries.

For the very first time, **ALL** Manitoba Industry Based Safety Associations – the Construction Safety Association of Manitoba (CSAM), Farm Safety Program, Manitoba Heavy Construction Association WORKSAFELY, Made Safe, Motor Vehicle Safety Association of Manitoba (MVSAM) and RPM Trucking Industry Safety – will be partnering to offer you education and training that will equip workers in Manitoba with competent training that speaks to all industries and legislative requirements.

Mike Jones, Executive Director of the Construction Safety Association of Manitoba, is pleased with the evolution of the Westman Safety Conference and its offerings to different industries in Manitoba.

“The Westman Safety Conference continues to evolve, accommodate our needs and bridge the gaps between construction workers, manufacturers, suppliers, trucking, motor vehicles, farmers and administrators whose workplaces and lives revolve around safety as much as ours do.”

The Westman Safety Conference course list includes Confined Space Entry & Rescue, Safety Essentials for Leaders/LSE, Chemical Spill Response, Environmental Protection and Emergency Preparedness and What’s Culture Got to Do With It. The full course list has been developed and submitted by all the industry-based safety programs.

“The objective behind this partnership is to provide safety and health education that’s relevant to all industries and sets a safety standard across all industries in Manitoba.”

The two-day conference registration fee is \$240 +GST and the one-day conference is \$140 +GST.

For more information and to register for the Westman Safety Conference, visit www.westmansafety.ca.



WESTMAN SAFETY CONFERENCE

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Women of Influence Speaker Series - Thursday, March 8, 2018 - International Women's Day

The Women of Influence Speaker Series is a NEW fundraiser for Habitat for Humanity's Women Build program. It will highlight successful and inspiring women in our community while raising funds to construct a new affordable Habitat home for a family to purchase at fair market value.

Women Build sponsored homes not only provide a way for families to gain stability and independence, but they also create an opportunity for women to learn construction and leadership skills in an inclusive and supportive environment.

Our first guest speaker is Mariette Mulaire, President and C.E.O., World Trade Centre Winnipeg.

EVENT DETAILS

Date: Thursday, March 8, 2018 - International Women's Day

Location: RBC Convention Centre, 375 York Avenue, Winnipeg

Time: 7:15am - 9am. (Doors open and full breakfast available starting at 7:15am, 8am program begins.)

Tickets: Individual tickets are \$60 each*. Table of 8 available for purchase.

**Tax receipt in accordance to CRA guidelines will be issued upon request.*

Corporate tables and sponsorship opportunities are available. Please contact **Susan Buffie** at 204-235-2400 or sbuffie@habitat.mb.ca for details.



ABOUT MARIETTE MULAIRE

Mariette Mulaire is the President and CEO of the World Trade Centre Winnipeg since its official opening in April 2013. In addition, she serves on the Executive Committee of the World Trade Centers Association Board of Directors.

She is the 2015 recipient of the Award of Excellence – Promotion of Linguistic Duality from the Commissioner of Official Languages and was most recently recognized as one of Canada's 10 most influential Francophone personalities. She was awarded the Ordre des francophones d'Amérique in 2010, was the May 2011 recipient of the YMCA-YWCA Women of Distinction award under the "Leadership" category, and received the Queen Elizabeth II Diamond Jubilee Medal in 2012. Mariette Mulaire holds a national designation with the Canadian Institute of Management (CIM) as a Professional Manager, in management and administration as well as holds the Certified International Trade Professional (CITP) designation from the Forum for International Trade Training (FITT).



MANITOBA WOMEN
IN CONSTRUCTION

A MWC PANEL PRESENTATION

BUILDING *her* STORY

FEBRUARY 28, 2018



Lori Garett Owner
North Perimeter
Construction



Soo Lee
Project Manager
FWS Group of Companies



Shylte Lynn Bloodworth
Tradeswoman / Instructor
Red River College



Ellen Kotula
Tradeswoman / Owner
Interlake Crane

Join four women working in Manitoba's construction industry as they share their inspiring accounts and empower women across the industry — at every career stage — to build their own personal success stories.

Register to attend at mbwomeninconstruction.com



WINNIPEG
CONSTRUCTION
ASSOCIATION
1447 Waverley Street
Winnipeg, MB

Lack of Fall Protection Results in \$140K Fine *Published in Canadian Occupational Safety*

A Brandon, Man. company pleaded guilty to one occupational health and safety violation and was fined \$140,000 in Carlyle Provincial Court in Saskatchewan on January 24, 2018.

The company pleaded guilty to contravening clause 116(2)(a) of the regulations by failing to ensure that workers use a fall protection system at a work area where a worker may fall 3 metres or more, resulting in a serious injury to a worker.

The company was fined \$100,000 plus a \$40,000 surcharge. One other charge was stayed in court.

On July 25, 2016, Saskatchewan's Occupational Health and Safety was notified of an incident that occurred on July 18, 2016. A worker was paralyzed after falling off a roof at a work site near Arcola, Sask.



Saskatoon Company fined \$420K for Worker Fatality *Published in Canadian Occupational Safety*

Shercom Industries has pleaded guilty to an occupational health and safety violation that resulted in the death of a worker in 2015.

Charges stemmed from an incident that took place on Jan. 27, 2015, in Saskatoon. A worker died after his hand and arm were caught in the pulley of a tire shredder conveyor belt.

On Oct. 16, 2017, the company pleaded guilty to contravening section 12 of the regulations in that being an employer at a place of employment, failed in the provision and maintenance of a plant, systems of work and working environments that ensure, as far as is reasonably practicable, the health, safety and welfare of the employer's workers, resulting in the death of a worker.

On Jan. 11, Shercom Industries was fined \$420,000 in Saskatoon Provincial Court.

Three additional charges were stayed in court.

LEGAL REQUIREMENTS & CONSTRUCTION

Your Construction Safety Association of Manitoba offers consulting services for all safety and health-related matters.

Whether you have a question about your safety program, a concern over current legislation or an interest in education and training, your Construction Safety Association of Manitoba is here for you every step of the way to ensure that your safety programs meets the legislative requirements and that your work environment is supported with education, training and resources.

For more information about our offerings, visit constructionsafety.ca or contact us at safety@constructionsafety.ca.

We look forward to hearing from you!

PNEUMATIC NAIL GUN

A STUDY ON PNEUMATIC NAIL GUNS

A Duke University (Duke) study found that 44% of carpenter apprentices in one four (4) year training program were injured by nail guns before they had completed the training program. Another study by Duke interviewed more than 400 carpenters injured by nail guns and found that more than 30% of injuries were due to ricocheting nails and 40% were from projectile nails, all interviewees had been using a contact trigger system.

A contact trigger system allows the operator to squeeze the trigger of the nail gun and “bounce” the nail gun in quick succession, this is seen to increase production. Another Duke study has since shown that sequential trigger systems, those involving the operator to squeeze the trigger and compress the safety tip onto the work piece repeatedly or sequentially, reduced the injury rate by half compared to a contact trigger system. The study also showed that the amount of production had very little to do with the trigger system of the nail gun and more to do with the skill of the operator of the nail gun.

WHAT ARE THE HAZARDS?

- 1) Unintended nail discharge from double fire,
- 2) Unintended nail discharge from knocking the safety contact with the trigger squeezed (Contact Trigger System ONLY),
- 3) Nail penetration through work piece,
- 4) Nail ricochet after striking a hard surface or metal feature,
- 5) Missing the work piece altogether,
- 6) Awkward position nailing or over reaching with the nail gun, and
- 7) Bypassing or disabling safety mechanisms (i.e. removing spring from the safety contact tip).

HOW CAN WE CONTROL THE HAZARDS?

- 1) Use the full sequential trigger system, the contact trigger system is associated with a higher risk of double firing and/or accidental firing.
- 2) Provide training:
 - a. How trigger systems differ,
 - b. Main causes of injuries,
 - c. Manufacturers recommendations on tool use
 - d. Hands on training with the tool

- i. How to load the tool
- ii. How to operate air compressor (if applicable)
- iii. How to fire the nail gun (what trigger system is being used?)
- iv. How to hold work piece to reduce the risk of injuries
- v. Recognize ricochet surfaces
- vi. Anticipating the recoil of the tool (Yeah, a nail gun is a tool but it's still a gun!)

3) Establish nail gun Safe Work Practices and Safe Job Procedures

4) Provide Personal Protective Equipment:

- a. Mandatory Hardhat and Steel toes (CSA Standard Z94.1) on Manitoba Construction Project Sites
- b. High Impact Safety Glasses (CSA Standard Z94.3)
- c. Hearing Protection

5) Encourage discussions of Near Misses that have taken place on site

6) Establish emergency procedures in the event of injury via Nail Gun

SAFE WORK PRACTICE FOR PNEUMATIC NAIL GUNS

Do's

- Make sure that tool manuals for the nail gun (nailer) used are available on the jobsite, understood and followed.
- Check tools and power sources before operating to make sure that they are in proper working order. Take broken or malfunctioning nailers out of service immediately.
- Set up operations so that workers are not in the line of fire from nailers being operated by co-workers.
- Check lumber surfaces before nailing. Look for knots, nails, straps, hangers, etc. that could cause recoil or ricochet.
- For placement work, keep hands at least 12 inches away from the nailing point at all times. Consider using clamps to brace instead of your hands.

- Always shoot nail guns away from your body and away from co-workers.
- Always disconnect the compressed air when:
 - Leaving a nailer unattended;
 - Travelling up and down a ladder or stairs;
 - Passing the nail gun to a co-worker;
 - Clearing jammed nails;
 - Performing any maintenance on the nail gun.
- Recognize the dangers of awkward position work and provide extra time and precautions:
 - Use a hammer or full sequential trigger nailer when working in a tight space. Recoil is more difficult to control, and double fires could occur with contact triggers.
 - Take extra care with toe-nailing. Nailers can slip before or during firing because the gun cannot be held flush against the work piece. Use a nail gun with teeth on the safety contact to bite into the work piece to keep the gun from slipping during the shot. Use the trigger to fire only after the safety contact piece is positioned.
- Recognize the dangers of nail gun work at height and provide extra time and precautions:
 - Set up jobs to minimize the need for nailing at height.
 - Consider using scaffolds instead of ladders.
 - If work must be done on ladders, use full sequential trigger nailers to prevent nailer injuries which could occur from bumping a leg while climbing up or down a ladder.
 - Position ladders so you don't have to reach too far. Your belt buckle should stay between the side rails when reaching to the side.
 - Maintain three points of contact with the ladder at all times to prevent a fall—this means that clamps may need to be used for placement work. Holding a nailer in one hand and the work piece with the other provides only two points of contact (your feet). Reaching and recoil can make you lose your balance and fall.
- Keep your fingers off the trigger when holding or carrying a nail gun.

Don'ts

- Never bypass or disable the nailers safety features. This is strictly prohibited. Tampering includes removing the spring from the safety-contact tip and/or tying down, taping or otherwise securing the trigger so it does not need to be pressed. Tampering increases the chance that the nail gun will fire unintentionally both for the current user and anyone else who may use the nail gun. There is NO legitimate reason to modify or disable a nailers safety device.
- Never lower the nail gun from above or drag the tool by the hose. If the nail-gun hose gets caught on something, don't pull on the hose. Go find the problem and release the hose.
- Never use the nailer with your non-dominant hand.

REFERENCES

[Nail Gun Safety: A Guide For Construction Contractors](#)

[Nail Guns: Injuries, Productivity & Recommendations](#)

[Public Health Reports: How Much Time is Safety Worth? A Comparison of Trigger Configurations or Pneumatic Nail Guns in Residential Framing](#)

**CONSTRUCTION SAFETY
ASSOCIATION OF MANITOBA**

OUR ASSOCIATION'S MISSION, VISION AND STRATEGIC PLAN IS TO
**STRENGTHEN THE SAFETY CULTURE IN
MANITOBA'S CONSTRUCTION INDUSTRY**
WITH PROACTIVE EDUCATION, TRAINING AND CONSULTING THAT
SUPPORTS SAFE WORK PRACTICES, CAREER DEVELOPMENT
AND COR™/SECOR™ CERTIFICATION ACROSS THE PROVINCE.



Mark Your Calendars - CSAM Training & Events

UPCOMING EVENTS:

April 18 & 19, 2018

EVENT: The Westman Safety Conference
DETAILS: Visit westmansafety.ca for full details

April 26 & May 1, 2018

EVENT: COR™ Companies meetings - Winnipeg & Brandon
DETAILS: Contact us in Winnipeg at 204-775-3171 or Brandon at 204-728-3456
for more information

Consulting Services

Your Construction Safety Association of Manitoba can help your company develop a safety program that is tailored to your workplace, culture and environment. Our team of Safety Advisors are on the road and are available to visit you on-site at your convenience - give us a call at 204-775-3171 to schedule your consultation.

UPCOMING TRAINING:

February 22, 2018 - Winnipeg
Safety Auditor Training

February 27, 2018 - Winnipeg
Hazard Identification & Risk Control

February 27, 2018 - Brandon
WHMIS 2015 - GHS

March 1, 2018 - Winnipeg
Safety Administration

Visit constructionsafety.ca for our full
course schedule.