Personal Protective Equipment Construction Initiative
Jan 16, 2020. 1:30 - 3:00 p.m.

Presenters:
Welcome

Michelle Roberts - IHSA
Director, Stakeholder & Client Engagement
Facilitator/Interviewer

Peter Vi - IHSA
Ergonomist
Technical Support
Ministry Participants

Pierre Rouleau
Provincial Program Coordinator for Construction – MLTSD
Opening Remarks

Michele Beckstead-Jackson
Provincial Construction Specialist Construction MLTSD
Interviewee
What’s In Scope

The initiative we will be focusing in on 7 types of Personal Protective Equipment (PPE):

- Head Protection
- Respiratory Protection
- Foot Protection
- Skin Protection,
- Hearing Protection
- High Visibility Clothing
- Eye & Face shields.
What’s Out of Scope

Not all PPE is being looked at in this initiative which has been intentional on our part. Fall protection has and will continue to be a priority, however we believe it is also important to focus on the other types of PPE that keep our workers safe.
Initiative Background
- Why is the ministry focusing on PPE
- When is the initiative running
- Where are they focusing their efforts
- What are they looking for

Types of PPE in Construction Initiative
- What they are, regulatory requirements, common use errors

Resources and Solutions
- IHSA PPE topic page & resources
- Safety Partners
Who is our Audience?
Why Target PPE?
Top 10 Construction Violations for 2018

1. Falls Protection
2. Lack of personal Protective Equipment (PPE)
3. Improper Access & Egress
4. Improper Use/ Maintenance of Ladders & Scaffolds
5. Housekeeping/Work Surfaces
6. Other Equipment
7. Electrical Hazards
8. Improper Material Handling
9. Health & Safety Representative/JHSC
10. Hygiene
Why Target PPE?

- The ministry issued 7,600 orders from January 1, 2018 to December 31, 2018 for lack of personal protective equipment on projects.
When is the Initiative happening?

January 6 to March 13 2020

The ministry will run an initiative focusing on the lack and misuse of personal protective equipment.

Phase 1: Education Outreach and Awareness
Dates: January 6 to March 13, 2020

Phase 2: Focused Inspection Blitz
Dates: February 3 to March 13, 2020
Ministry inspectors will focus inspections in:

- industrial, commercial and institutional building construction
- residential building construction
- civil engineering and roadwork
What is the minimum PPE required at all times on a project?
The law requires workers to wear safety headwear and footwear at all times while on the project site.

Inspectors will focus on checking for:

- Appropriate personal protective equipment is being supplied when prescribed
- PPE is being worn properly
- PPE is being maintained in good condition
  - Workers are training in use & maintenance of PPE
  - Proof of Training
Where in the Act or Regulation are there requirements for PPE?

Occupational Health & Safety Act Duties:

Section 23 (constructor), Section 25 (employers), 27 (supervisor) & 28 (workers)

Regulations

Construction Regulations 213/91

Asbestos Regulation 278/05

Noise Regulation 381/15

Control of Exposure To Biological or Chemical Agents Reg 833

WHMIS 860
How do you assess when PPE is required, what must you consider?
Hierarchy of Controls

At the Source

Along the Path

At the Worker
Constructors and or employers must identify and implement measures and procedures to control site specific workplace hazards.
Personal Protection Equipment

- **High-Visibility** Clothing
- **Eye and Face** Protection
- **Hearing** Protection
- **Respiratory** Protection
- **Skin** Protection
- **Head** Protection
- **Foot** Protection
Audience Poll

What protection factors are required for the headwear to be compliant?
Protective Headwear

CSA Standard – Z94.1
Complies with Ontario Regulations 213/91 Construction Projects Section 22

Uses
Mandatory at all times, do not wear in reverse, unless specified

Features
Front brim, rain gutter, attachment points, full brim for sun protection

Minimum $250.00 to a worker + court fee and victim surcharge
Audience Poll

What protection factors are required for footwear to be compliant?
Foot Protection

CSA Z 195-14 - Grade 1 Footwear Toe, Sole Protection
Complies with Ontario Regulations 213/91 Construction Projects Section 23

Uses
Mandatory at all times

Features
Box Toe, puncture resistant sole or insole, green label

Minimum $450 to a supervisor + court fee + victim surcharge
What is the occupational exposure limit for when hearing protection may be required?
CSA – Z94.2-14 Hearing Protection Devices
Complies with Ontario Noise Regulation 381/15

Uses
If noise exposure will exceed time-weighted 85dBA over an 8 hr work day

Types
Foam, pre-moulded, formable, custom-moulded, semi-insert ear plugs, ear muffs

Part 1 summons up to $1,000 fine to a worker or supervisor + court fee + victim surcharge
When a worker could be exposed to vehicular traffic, where in the construction regulation would you find the high visibility clothing requirements?
High Visibility Clothing

CAN/CSA Z96-15 High Visibility Safety Apparel
Complies with Ontario Regulation 213/91 Construction Projects Section 69.1 and s.106

Uses
When a worker can be endangered by vehicular traffic or more commonly when required by the employer.

Night-Time Work
Additional stripes required on arms and legs
When does eye protection need to be worn?
Eye and Face Protection

CSA –Z94.3-15- Eye and Face Protectors – Complies with Reg. 213/91 s.24 & CSA - Z94.3.1-16 – Selection, Use and Care – Complies with Reg.213/91 s.24

**Uses**
Reduces the risk, but additional hazard controls are required

**Types**
Safety glasses, googles, face shields for welding

**Minimum $450.00 fine to a supervisor** + court fee + victim surcharge
If it is determined a respirator is required to be worn, is there a specific standard or standards that need to be met?
Respiratory Protection


Types
Air-purifying respirators, supplied-air respirators and powered air-purifying respirators

Uses
Reduces the risk of biological or chemical agents using set exposure limits
Respiratory Protection

Part 1 Summons up to a $1000 fine to worker or supervisor + court fee + victim surcharge

Fit Test

User Seal Test
Skin Protection

**Puncture Resistant Gloves**

*Uses*
Working with sharp objects

**Chemical Resistant Gloves**

*PVC or nitrile rubber gloves*

*Uses*
Working with dangerous chemicals, biological hazards

**Anti-Vibration Gloves**

*Uses*
Working with vibrating tools
Any exposure to physical, chemical or biological hazards can lead to **immediate** and or **long term** health effects.

Occupational illness from exposures to hazardous physical, chemical and biological substances may be **sudden** or **acute** or it may not appear until **many decades later**. This is called **latency**.
Routes of Entry

1. Ingestion
2. Absorption
3. Inhalation
4. Injection
Workplace Hazardous Materials Information System (WHMIS) training is required under the OHSA.

Workers exposed to controlled products.
What if PPE is damaged or faulty?

Workers Duty to Report  OHSA Section 28
Polling the audience
What can you do to raise awareness in your workplace about PPE?

- **Deliver** a Safety Talk
- **Provide** workplace specific checklists to assess workplace hazards and suggested controls (i.e. engineering, substitution)
- **Inspect & Use** your PPE as per manufacturer instructions
- **Monitor** and provide correction & direction when needed
- **Train** your workers on use, selection and care of PPE
- **Share** regulatory requirements
- **Remind** everyone their duties and responsibilities
- **Order** a Poster (FREE Limited time!!)
IHSA PPE RESOURCES
https://www.ihsa.ca/topics_hazards/ppe.aspx

To access a variety of products, training and solutions visit our PPE Webpage

E-learning and Videos

Basics of Hearing Protection for Workers

In this presentation, you will find out about noise control, noise exposure levels, use of hearing protection and good hearing protection practices. An optional quiz is included to test your knowledge. 20:40 min.

View Video

CSA standards that are referenced in regulations are available for free viewing online, other standards can be purchased. community.csagroup.org.
Create an **Online Account**
Start shopping in minutes and register for training courses after a few simple clicks.

**Your guide to Construction Health & Safety Legislation**
Get the App on your mobile device
Health and Safety Partners

https://www.labour.gov.on.ca/english/hs/websites.php

Infrastructure Health & Safety Association (IHSA)

Public Services Health and Safety Association (PSHSA)

Workplace Safety and Prevention Services (WSPS)

Workplace Safety North (WSN)

Occupational Health Clinics for Ontario Workers (OHCOW)

Workers Health and Safety Centre (WHSC)
• Enforces occupational health and safety requirements and employment standards
• Workplace injuries and illness prevention strategies
• Sets standards for health and safety training
• Develops and enforces legislation

• [www.Ontario.ca](https://www.ontario.ca)

• Health and Safety Contact Centre - 24/7
Call **1-877-202-0008**
Sometimes workers new to the task are **not aware** of potential hazards. It is hard to protect yourself and or report a hazard if you don’t understand what it is. **Ask questions.**
THANK YOU