

Health & Safety in the Construction Industry

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Manager Strategic Programs.

AGENDA

Topic:	Duration:
Legislation Review - Introduction	5 min.
Definitions	10 min.
Construction Regulation Overview	10 min.
Training Requirements	5 min.
H & S Policy & Program	5 min.
Next Steps	5 min.
Summary	5 min.
Q /A, Final Thoughts	5 min.

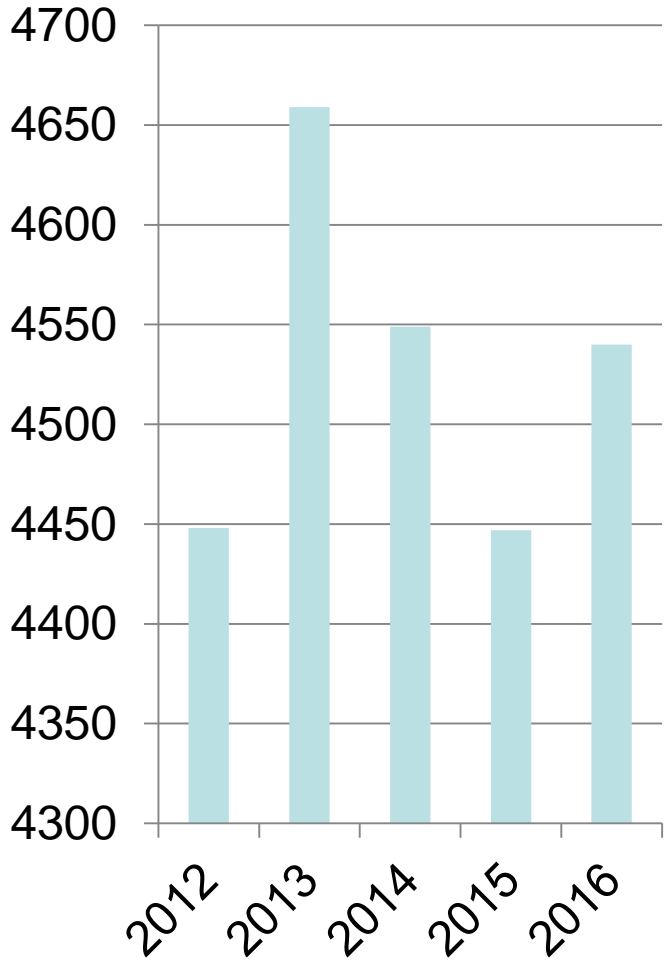
Health & Safety

Why is it important ?

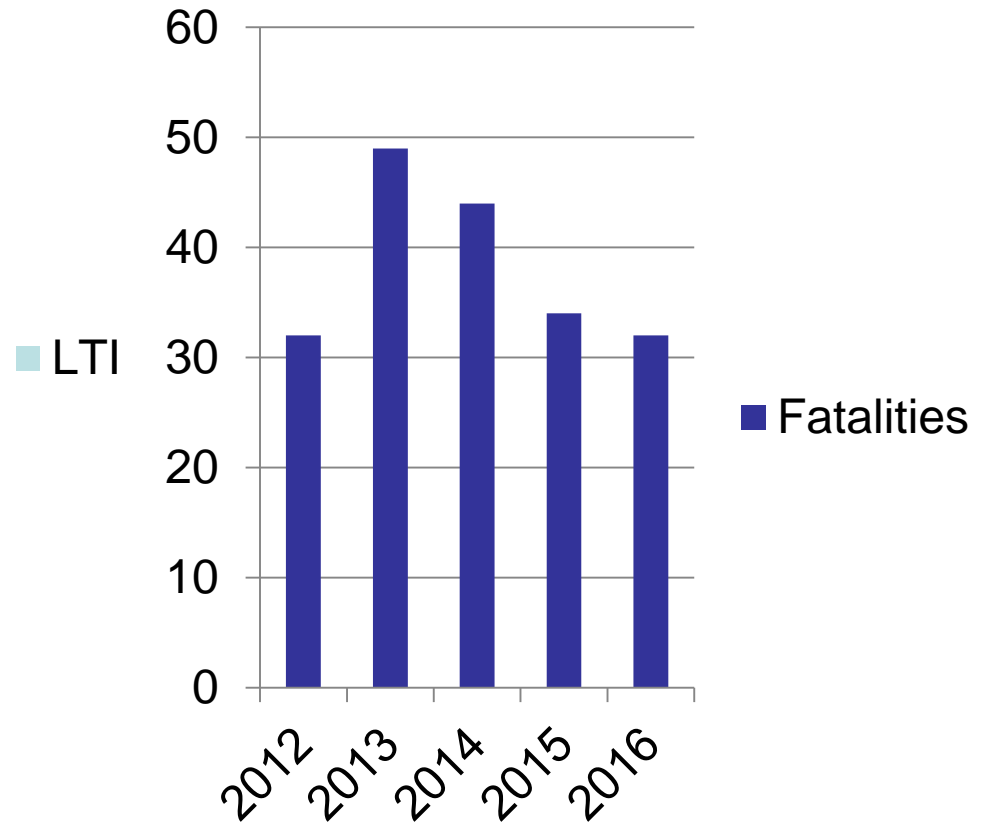
- Accountant
- Estimator
- Purchaser
- Lawyer
- Dentist
- Doctor

Injuries

LTI



Fatalities



Legislation

Occupational Health & Safety Act (OHSA)



Construction Regulations

What is the difference ?

- **OHSA** is general duties.
- **Construction Regulations** are specific to construction activities.
(building scaffold, ladders)



Definitions

- Competent person
- Workplace
- Constructor
- Supervisor
- Worker
- Prescribed



Duties of Constructors

Section 23

- To ensure the project is managed to ensure a safe workplace.*
- Everyone on the project complies with the law.*
- Protect the health and safety of all workers.*
- File a notice of project.*



Duties of Employers

Section 25

- Implement a health & safety program.
- Prescribed* equipment are provided and maintained.
- Provide information, instruction and supervision to a worker.
- Take every precaution reasonable in the circumstances.



Duties of Supervisor

Section 27

- Ensure a worker follows procedures required by law and by company program.
- Advise workers of actual or potential dangers and controls.
- Conduct regular workplace inspections.
- Investigate incidents or accidents.
- Ensure corrective action is taken.
- Take every precaution reasonable in the circumstances for the protection of a worker.

Duties of Workers

Section 28

- Work in compliance to legislation.
- Report any contraventions.
- Use or wear protective devices.
- Not use or operate equipment unsafely.



Rights of Workers

Right to...

- Know
- Participate
- Refuse unsafe work.

Notices

Section 51 - 53

- Fatality or Critical Injury
- Medical Attention
- Incident

H & S Reps & Committees

- When required ?
- Who ?
- How many ?
- Selection ?
- Powers & Rights ?
- Benefits ?

Offences and Penalties

- ◆ Contravention of the Act
- ◆ Order or requirement of an Inspector or Director
- ◆ **\$25,000** and/or 12 months in jail
- ◆ Corporation **\$500,000**

It shall be the defense for the accused to prove that every “precaution reasonable” in the circumstances was taken.

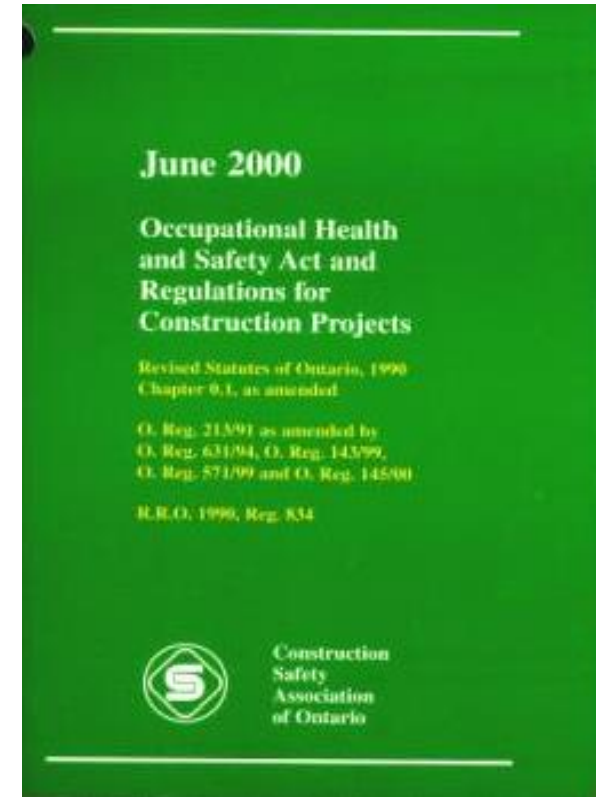
Project Documents

- Constructor Information.
- Emergency & Rescue Procedures.
- Post names of rep or committee members.
- Copy of the Act & Applicable Regulations
- First-Aid
- MOL orders, contact information.



Fall Protection Training

- Employers ensure workers using fall protection system are trained in its use
- Training records are kept (dates & names)
- Employers make records available to MOL on request



Fall Protection

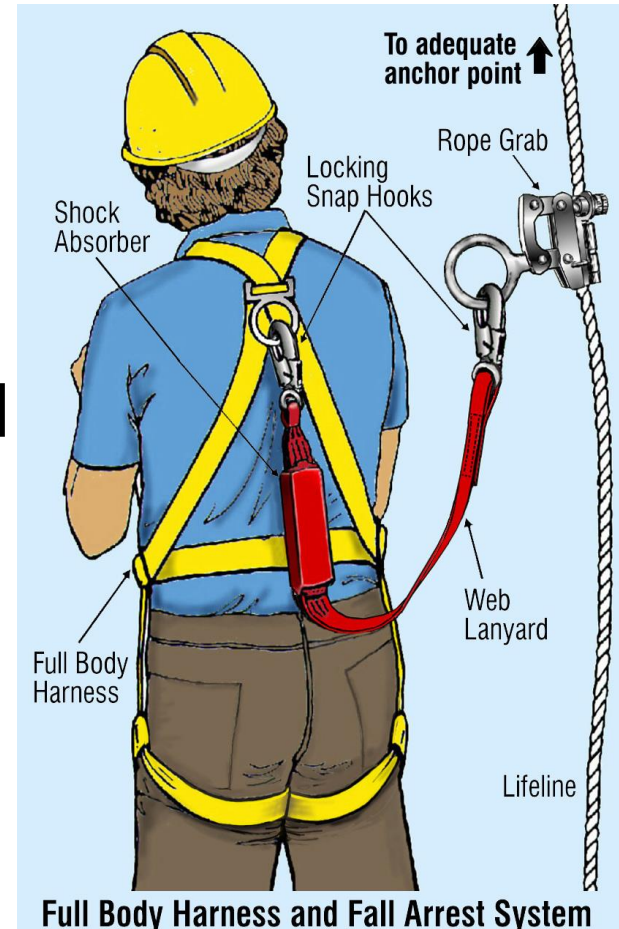
(Basic Fall Hazards)

Defined in Regulation for Construction Projects
(O/ Reg. 213/91) *"To prevent falling....."*

- More than 3 m. (10 ft.)
- More than 1.2 m. (4 ft.) (path)
- Operating machinery
- Water or other liquid
- Hazardous substance or object
- Opening in work surface

Fall Arrest System – the Basics

- CSA-approved full body harness
- Lanyard with shock absorber
- attached to lifeline or by lanyard to adequate fixed support
- prevent worker from hitting ground or objects below
- not subject worker to peak fall-arrest force > than 8 kilonewtons

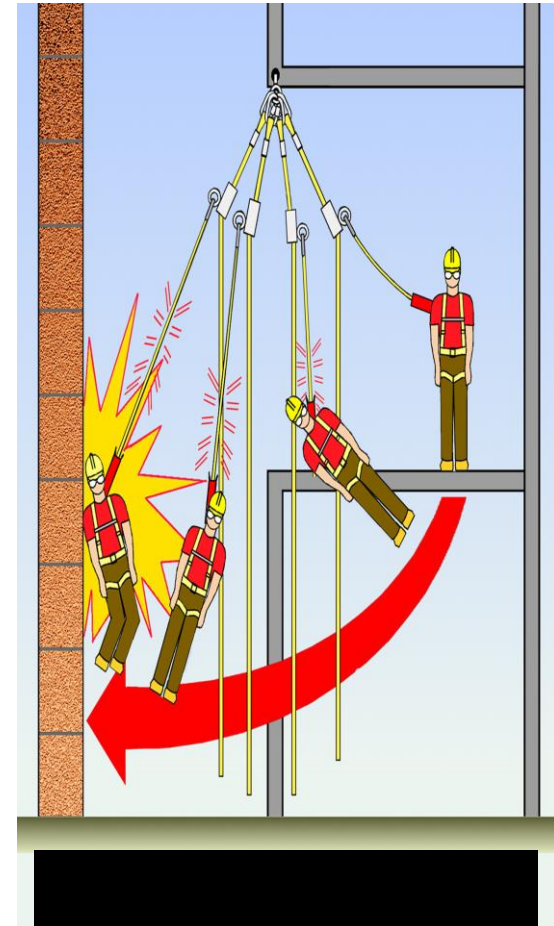
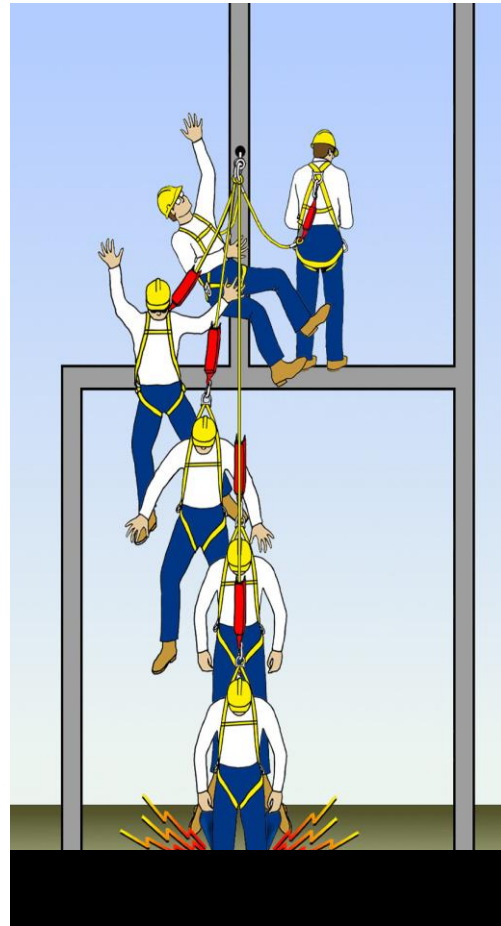


Fall Arrest Planning (cont'd)

→ Bottoming
Out

→ Pendulum
Effect

→ Emergency
Rescue



Emergency Rescue

- Brought to safe area as quickly as possible.
- Plan simple..... or complex.....
- Plan covers equipment, personnel, and procedures
- Off-site rescue services contacted/arranged in advance
- Management ensures that:
 - Everyone is aware of rescue plan
 - Equipment and other resources are available
 - Designated personnel are properly trained

WHMIS



Workplace
Hazardous
Materials
Information
System

TOPIC 1

Hazardous Materials



HAZARDOUS MATERIALS

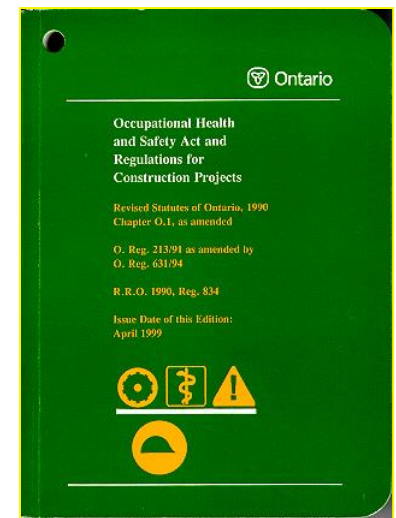
WHMIS is the Law

1. Federal legislation

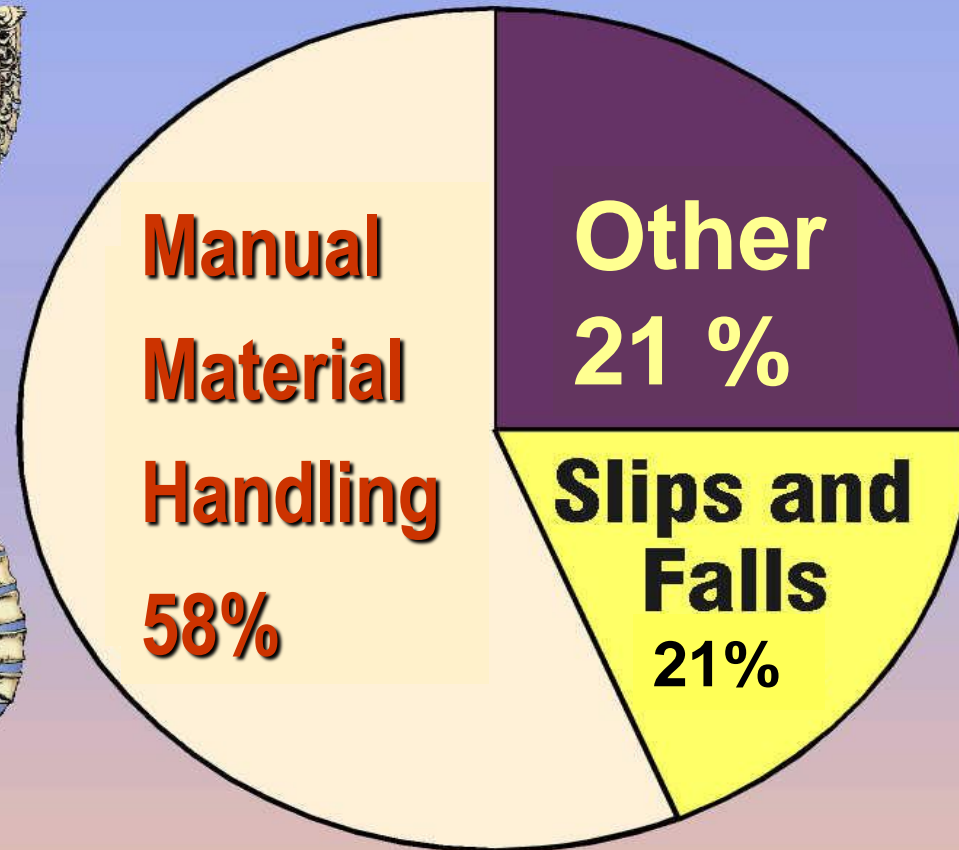
- *Hazardous Products Act*
- *Controlled Products Regulation*

2. Provincial legislation

- *WHMIS Regulation 644/88*
- Enforced by MOL Inspectors



CAUSES OF BACK INJURIES



Motor Vehicle Accidents

- Defensive Driving
- Skid School
- Distracted Driving
- Substance Abuse
- Vehicle Maintenance
- Duty to Protect

