

Occupational Health and Safety in Construction

The Basics

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Presentation Summary

- In this presentation we will discuss:
 - The roles and responsibilities of the parties involved in construction for occupational health and safety
 - Ontario Acts and regulations that relate to health and safety in construction

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How Serious is the Problem

Work-related injuries, by industry, 2008
(per 1,000 employed workers)

Industry	Rate (per 1,000 employed workers)
Finance	0.6
Trade, Hotels and Restaurants	2.4
Real Estate and Business Activity	4.1
Education	6.0
Mining and Quarrying	9.9
Electricity, Gas and Water	11.5
Agriculture, Hunting and Forestry	11.5
Community, Social and Personal Services	17.4
Hotels and Restaurants	18.8
Wholesale trade, Vehicle repair	15.4
Health and Social Work	19.0
Public Administration and Defence	19.9
Transport, Storage and Communications	20.5
Fishing	20.5
Manufacturing	20.5
Construction	34.5

Source: International Labour Organization (ILO) LABORSTA Internet, Table B8 - Rate of occupational injuries, by economic activity, Canada, 2008. Available from: [Laborista Internet](http://www.ilo.org). Rates are calculated by ILO using data compiled from Human Resources and Skill Development Canada, Statistics Canada and Association of Workers' Compensation Board of Canada.

<http://www4.hrsdc.gc.ca/3ndic.1t.4r@eng.jsp?lid=20>

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How Serious is the Problem



Construction company fined \$200,000 for deaths of four workers

LINDA NGUYEN
Toronto — The Canadian Press
Published Friday, Jul. 13 2012, 11:22 AM EDT
Last updated Saturday, Jul. 14 2012, 4:43 PM EDT

—VINCE VERSAACE
Four workers were performing balcony repairs on a Kipling Avenue apartment building south of Steeles Avenue when their scaffolding collapsed.

Four construction workers die in Toronto on Christmas Eve

Fifth worker still in hospital after surviving 13-storey drop

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Regulations that Relate to OHS in Construction

- Occupational Health and Safety Act, 1990
 - Asbestos Reg. 278/05
 - Construction Regulations (multiple sections)
 - First Aid Reg. 1101
 - WHIMIS Reg. 860
 - Propane Storage and Handling Reg. 211/01
 - Window Cleaning Reg. 859

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Acts and Regulations

- Acts
- Regulations



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Roles and Responsibilities

- The Constructor
- The Owner
- The Employer
- The Supervisor
- The Worker
- The Joint Health and Safety Committee
- The Ministry of Labour Inspector
- The Consultant

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The Constructor

One person with overall responsibility for health and safety on the project. That person is the **Constructor**.

Has the greatest degree of control over the project and therefore has the responsibility for the worker's health and safety.

Constructor may be the general contractor or a designated contractor on a site with multiple contractors



The Owner

- "a trustee, receiver, mortgagee in possession, tenant, lessee, or occupier of any lands or premises used or to be used as a workplace, and a person who acts for or on behalf of an owner as an agent or delegate".

Ontario Occupational Health and Safety Act

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The Owner and the Constructor

- Every project has an Owner and a Constructor
- May be the same person if the Owner is directing construction work or multiple contractors are working on a project without one specific contractor being designated the Constructor

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Employer

- A General Contractor or Sub-contractor
- Appoints a supervisor if 5 or more people are working on the project site.
- Provides training
- Ensures workers re qualified

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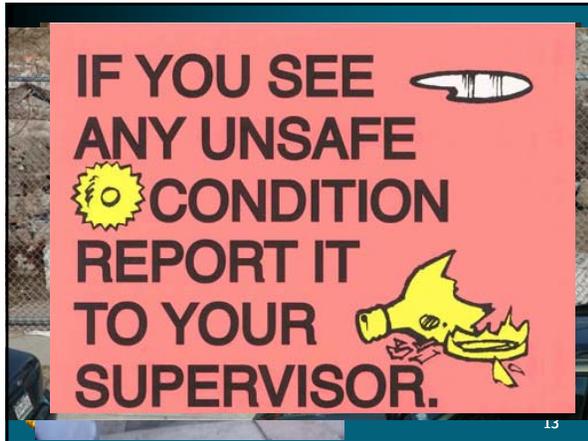
Supervisor

and equipment



- Takes preca
- Gives verbal workers

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Consultants

- Agents of the Owner, such as Architects and Engineers, who undertake responsibility for Quality Control are not deemed Constructors as they do not control the project or direct the work of construction workers.
- Not responsible for the means or methods of construction

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Consultants

- Specify the requirements for health and safety, such as:
 - Jurisdiction
 - What must be submitted by the General Contractor to ensure health and safety risk is managed and monitored
 - Site specific Health and safety plan
 - WHMIS Material Safety Data Sheets
 - How the General Contractor will take a proactive approach to health and safety

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Training

Source: Infrastructure Health and Safety Association (2010). Construction Health and Safety, Infrastructure Health and Safety Association, Toronto.

CONTENTS	
Legal Responsibilities and Emergencies	
Chapter 1	Legal responsibilities
Chapter 2	Emergency procedures
Health	
Chapter 3	WHMIS
Chapter 4	First aid
Chapter 5	Basic occupational health
Chapter 6	Heat stress
Chapter 7	Cold stress
Chapter 8	Back care
Chapter 9	Moulds
Equipment	
Chapter 10	Personal protective equipment (PPE)

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Health and Safety

- The responsibility of ALL parties on a project



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The Cost of Health and Safety



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Summary

- In this presentation we:
 - Described the Risk Identification Process
 - Considered the sources of risk and uncertainty
 - Developed clear risk statements

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