

Alberta Small Employer OHS Legislated Requirements

Industry Code: 86400
Engineering

This document is a guideline only. Employers have a responsibility of assessing all applicable occupational health and safety legislation, for the tasks they are performing.

Engineering describes activities of evaluating, drafting and designing, preparing plans and specifications for construction, technical inspection, maintenance or operation of any work or process that requires the professional application of mathematics, chemistry and physics.

Task description	Type of equipment used and workers employed
<p>This classification includes engineering disciplines such as civil, mechanical, electrical, mining and petroleum processes, structural, chemical, etc.</p> <p>Engineering in construction pertains to activities of concept design, detail design and drafting. Engineering firms, as part of the initial and overall engineering contract, may additionally undertake visual inspection and quality assurance in the field to consult and advise with others about design features and/or requirements to ensure integrity of designs and materials analysis.</p> <p>To engage in the practice of engineering, an individual or firm must be authorized under the "Engineering, Geological and Geophysical professions Act and will be a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta".</p>	<p>Engineering firms will employ professional engineers, engineering technologists, draftsman, CADD operators, estimators along with clerical, administrative and management personnel. Generally work is in an office environment however infrequent but periodic site visits may be required.</p>

Relevant sections of OHS Legislation:

Occupational Health and Safety Act

- Section 3,4,5** Obligations of employers, workers, etc.
 - 40 Serious injuries and incident
 - 53 Investigation of injury or incident
 - 36 Discriminatory action complaint
- 16-17 Joint Work Site Health and Safety Committees and Health and Safety Rep.

Occupational Health and Safety Regulation

- Section 7** Availability of specifications
- 12 Equipment
- 13 General protection of workers
- 14 Duties of workers
- 15 Safety training

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Occupational Health and Safety Code (2009)

Part 1

Section

Definitions and General Application	2.2	Designated person to prepare plan
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Part 2

Section

Hazard Assessment, Elimination and Control	7 8 9	Hazard assessment Worker participation Hazard elimination and control
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Part 3

Section

Specifications and Certifications	12 13 14 15	Following specifications Manufacturer's and Professional Engineer's specifications Certification by a professional engineer Approved equipment
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Part 7

Section

Emergency Preparedness and Response	115 116	Emergency response plan Contents of plan
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Part 8

Section

Entrances, Walkways, Stairways and Ladders	119	Safe entry and exit
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Part 11

Section

First Aid	178	Providing services, supplies, equipment
	179	Location of first aid
	180	Emergency transportation
	181	First aid providers
	182	Duty to report injury or illness
	183	Record of injury or illness
	184	First aid record access
	Refer to Schedule 2	

Part 12

Section

General Safety Precautions	185 186 189	Housekeeping Lighting Securing equipment and materials
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Part 14

Section

Lifting and Handling Loads	208 209 210	Equipment Adapting to heavy or awkward loads Assessing manual handling hazards
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Part 18	Section	
Personal Protective Equipment	228	Duty to use personal protective equipment

Part 19	Section	
Powered Mobile Equipment	256	Operator Responsibilities
	290.1	Personal Vehicle for Work Purposes

Part 24	Section	
Toilets and Washing Facilities	354	Restrictions by employer
	355	Drinking fluids
	356	Exception (temp. site)
	357	Toilet facilities

Part 27	Section	
Violence and Harassment	389	Hazard assessment
	390	Violence prevention plan
	390.4	Harassment prevention plan
	391	Training of workers
	391.1	Investigation and reporting of incidents

Part 28	Section	
Working Alone	393	Application
	394	Precautions required

Part 29	Section	
Workplace Hazardous Materials Information System (WHMIS)	397	Training
	398	Label required
	400	Decanted products
	404	Safety Data Sheet - Supplier
	406	Information current (SDS)
	407	Availability of Safety Data Sheet