

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	2 Obligations of employers, workers, etc.
	18 Serious injuries and accidents
	19 Investigation of accidents
	35 Existence of imminent danger
	37 Disciplinary action complaint

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	2.1	Availability of legislation
General Application	2.2	Designated person to prepare plan

Part 2 Section

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

Part 3 Section

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

Part 7 Section

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

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	185	Housekeeping
Precautions	186	Lighting
	189	Securing equipment and materials

Part 14 Section

Lifting and Handling	208	Equipment
Loads	209	Adapting to heavy or awkward loads
	210	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	389	Hazard assessment
	390	Policy and procedures
	391	Instruction of workers
	392	Response to incidents

Part 28		Section
Working Alone	393	Application
	394	Precautions required (communication)

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