

Alberta Small Employer OHS Legislated Requirements

Industry Code: 42104
Concrete Construction

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.

This industry is comprised of forming, pouring and finishing concrete, including site preparation work and concrete paving and range from residential and commercial work, to complex industrial and civil projects.

Task description	Type of equipment used and workers employed
Concrete construction activities include the making, setting up or tearing down of forms and scaffolds, and the pouring and finishing of concrete. It includes concrete repair on sidewalks, driveways, curbs, columns, and dividers.	Portable mixers, subcontract transmit mix firms for concrete supplies, scaffolding, jack-hammers, concrete cutters, finishing machines, concrete pavers or slip formers, hand tools, wheelbarrows, trucks, etc. May employ engineers for complex concrete projects, and technical staff, labourers, operators, sales/estimators, and office/administrative staff and sales/installation
Concrete drilling, concrete cutting and mud-jacking are also activities conducted within this industry. Sometimes, old concrete may have to be removed. Concrete is cut with a special power saw to remove sections or portions that are damaged or starting to disintegrate, or cut to allow for placement of a window or drilled to allow piping or other access.	
Cribbing or formwork	
Placing/laying rebar for drive-ways, sidewalks, walls, buildings, bridges, etc.	

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	1	Definitions
General Application	2.1	Availability of legislation
	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 4

Section

Chemical Hazards,	16	Worker exposure to harmful substance
Biological Hazards	21	Potential worker exposure
and Harmful	22	Worker overexposure
Substances	24	Emergency baths, showers, eye wash equipment
	27	Storage of harmful substance

Refer to schedule 1

Part 5

Section

Confined Spaces	45	Hazard assessment
	46	Training
	48	Safety and protection - generally
	50	Unauthorized entry
	51	Traffic hazards
	55	Emergency response
	56	Tending worker
	57	Entry and exit

Part 7

Section

Emergency	115	Emergency response plan
Preparedness and	116	Contents of plan
Response	117	Rescue and evacuation workers
	118	Equipment

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Part 8	Section	
Entrances, Walkways, Stairways and Ladders	119	Safe entry and exit
	120	Doors
	121	Walkways, runways and ramps
	122	Stairways
	123	Handrails on stairways

Part 9	Section	
Fall Protection	139	General protection
	140	Fall protection plan
	141	Instruction of workers
	142	Full body harness
	143	Connectors, carabiners and snap hooks
	144	Fall arrestors
	150	Equipment compatibility
	150.1	Inspection and maintenance
	150.2	Removal from service
	151	Clearance, maximum arresting force and swing
	152.1	Anchor strength - temporary
	152.1	Anchor strength - permanent
	152.2	Duty to use anchors
	152.3	Independence of anchors

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
	192	Stabilizing masonry walls
	194	Vehicle traffic control

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 17	Section	
Overhead Power Lines	225	Safe limit of approach distances
	Refer to Schedule 4	

Part 18	Section	
Personal Protective Equipment	228	Duty to use personal protective equipment
	229	Eye protection (compliance with standards)
	233	Footwear
	242	Limb and body protection
	243	Skin protection
	244	Respiratory dangers
	245	Code of practice

Part 19	Section	
Powered Mobile Equipment	256	Operator Responsibilities
	257	Visual inspection
	258	Dangerous movement
	260	Inspection and maintenance
	261	Maintenance on elevated parts
	262	Starting engines
	263	Unattended equipment
	264	Lights
	265	Windows and windshields
	266	Other safety equipment
	274	Fuel tank in cab
	279	Refuelling
	290.1	Licensing and mechanical inspection (personal vehicle for work purposes)
	290.2	Safety requirements (concrete pump trucks)

Part 22	Section	
Safeguards	310	Safeguards
	315	Guardrails
	318	Protection from falling objects

Part 23	Section	
Scaffolds	323	CSA Standard applies
	324	Design
	325	Load
	326	Tagging requirements
	327	Vertical ladder on scaffold
	328	Working from a ladder
	329	Scaffold planks
	330	Scaffold platform
	331	Metal scaffolding

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| 333 | Double pole scaffolds |
| 340 | Single-pole scaffolds |
| 346 | Worker safety (elevated platforms and aerial devices) |
| 349 | Fork-mounted work platforms |

Refer to schedule 6

Part 24

Section

- | | | |
|--------------------------------|-----|--------------------------|
| Toilets and Washing Facilities | 254 | Restrictions by employer |
| | 355 | Drinking fluids |
| | 356 | Exception (temp. site) |
| | 357 | Toilet facilities |

Part 25

Section

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|--------------------------------|-----|--------------------------|
| Tools, Equipment and Machinery | 374 | Actuated fastening tools |
| | 381 | Cut-off saws |

Part 27

Section

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| Violence | 389 | Hazard assessment |
| | 390 | Policy and procedures |
| | 391 | Instruction of workers |
| | 392 | Response to incidents |

Part 28

Section

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| Working Alone | 393 | Application |
| | 394 | Precautions required (communication) |

Part 29

Section

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| 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 |