

Alberta Small Employer OHS Legislated Requirements

Industry Code: 42103
Boring – Horizontal/Angular

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 type of boring is to burrow holes under roads, waterbodies (creeks, streams, etc.), railways, airstrips, sidewalks, lawns, driveways, etc., to establish openings for sewer or water lines, telephone or cable tv lines (utility lines).

Task description	Type of equipment used and workers employed
<p>A boring machine is mounted on and operated from a truck, but can be portable for use away from the truck.</p> <p>An excavation may be dug by a roadside with the boring machine placed in the trench and a hole is drilled by auger to a width of, perhaps, 3 feet, permitting the cable or wire to be laid underneath the roadbed.</p> <p>Another method of burrowing is with an underground piercing tool which operates with compressed air. A long (approx. 4 feet) chisel head vibrates its way through the soil leaving a small hole in its path.</p>	<p>This employer use auger trucks, auger bits, air/gas compressors, hand-tools, and employ equipment operators, technical staff, labourers, drivers, sales/estimators, and administrative staff.</p>

Relevant sections of OHS Legislation:

Occupational Health and Safety Act	
Section	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	1 2.1 2.2	Definitions Availability of legislation Designated person to prepare plan

Part 2	Section	
Hazard Assessment, Elimination and Control	7 8 9	Hazard assessment Worker participation Hazard elimination and control

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

Part 5	Section	
Confined Spaces	45 46 48 50 51 55 56 57	Hazard assessment Training Safety and protection - generally Unauthorized entry Traffic hazards Emergency response Tending worker Entry and exit

Part 7	Section	
Emergency Preparedness and Response	115 116	Emergency response plan Contents of plan

Part 11	Section	
First Aid	178 179 180 181 182 183 184	Providing services, supplies, equipment Location of first aid Emergency transportation First aid providers Duty to report injury or illness Record of injury or illness First aid record access
Refer to Schedule 2		

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Part 12	Section	
General Safety	185	Housekeeping
Precautions	186	Lighting
	188	Restraining hoses and piping
	189	Securing equipment and materials
	191	Signallers
	194	Vehicle traffic control
	196	Lighting

Part 14	Section	
Lifting and Handling	208	Equipment
Loads	209	Adapting to heavy or awkward loads
	210	Assessing manual handling hazards

Part 15	Section	
Managing the Control of Hazardous Energy	212	Isolation
	213	Verifying Isolation
	214	Securing by Individual Workers
	215.3	Returning to operation

Part 16	Section	
Noise Exposure	218	Worker exposure to noise
	222	Hearing protection
	Refer to schedule 3	

Part 17	Section	
Overhead Power Lines	225	Safe limit of approach distances
	226	Transport loads, equipment and buildings
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
	234	Head protection
	242	Limb and body protection

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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
	268	Bulkheads
	269	Guards and screens
	274	Fuel tank in cab
279	Refuelling	

Part 22	Section	
Safeguards	310	Safeguards
	311	Tampering with safeguards
	312	No safeguards

Part 24	Section	
Toilets and Washing Facilities	354	Restrictions by employer
	355	Drinking fluids
	357	Toilet facilities
	360	Supplies and waste receptacle
	361	Condition of facilities

Part 25	Section	
Tools, Equipment and Machinery	362	Contact by clothing, etc.
	365	Starting machinery
	367	Operator responsibilities
	368	Controls
	369	Immobilizing machinery

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)

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

Part 32	Section	
Excavating and	441	Disturbing the ground
Tunnelling	442	Classification of soil type
	443	Soil stabilization
	444	Marking and excavation
	445	Water hazard
	446	Worker access
	447	Locating buried or concrete-embedded facilities
	448	Exposing buried facilities
	450	Methods of protection
	451	Cutting back walls
	452	Loose material
	453	Spoil piles
	454	Power pole support
	455	Safe entry and exit
	459	Access for powered mobile equipment