

## 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
<p><b>Section</b> 3,4,5 Obligations of employers, workers, etc.</p> <ul style="list-style-type: none"> <li>40 Serious injuries and accidents</li> <li>53 Investigation of injury or incident</li> <li>31 Right to refuse dangerous work</li> <li>36 Discriminatory action complaint</li> </ul> <p>16-17 Joint Work Site Health and Safety Committees and Health and Safety Rep.</p>

Occupational Health and Safety Regulation
<p><b>Section</b> 7 Availability of specifications</p> <ul style="list-style-type: none"> <li>12 Equipment</li> <li>13 General protection of workers</li> <li>14 Duties of workers</li> <li>15 Safety training</li> </ul>

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**Occupational Health and Safety Code (2009)**

<b>Part 1</b>	<b>Section</b>	
Definitions and	1	Definitions
General Application	2.1	Availability of legislation
	2.2	Designated person to prepare plan

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

<b>Part 3</b>	<b>Section</b>	
Specifications and	12	Following specifications
Certifications	13	Manufacturer’s and Professional Engineer’s specifications
	14	Certification by a professional engineer
	15	Approved equipment

<b>Part 5</b>	<b>Section</b>	
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

<b>Part 7</b>	<b>Section</b>	
Emergency	115	Emergency response plan
Preparedness and	116	Contents of plan
Response		

<b>Part 11</b>	<b>Section</b>	
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
	<b>Refer to Schedule 2</b>	

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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

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
	<b>Refer to schedule 3</b>	

Part 17	Section	
Overhead Power Lines	225	Safe limit of approach distances
	226	Transport loads, equipment and buildings
	<b>Refer to schedule 4</b>	

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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<b>Part 19</b>	<b>Section</b>	
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	

<b>Part 22</b>	<b>Section</b>	
Safeguards	310	Safeguards
	311	Tampering with safeguards
	312	No safeguards

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

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

<b>Part 27</b>	<b>Section</b>	
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

<b>Part 28</b>	<b>Section</b>	
Working Alone	393	Application
	394	Precautions required (communication)

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

<b>Part 32</b>	<b>Section</b>	
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