

## Alberta Small Employer OHS Legislated Requirements

**Industry Code: 89401**  
**Welding**

**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.

The prime activity in this industry is to provide a welding service, rather than a welded product.

Task description	Type of equipment used and workers employed
<p>The main activity in this industry is to provide a welding service, most often in the field with portable units during pipeline construction, and for repairs and service on drilling rigs and mobile and stationary equipment, etc.</p> <p>Welding services are conducted in a shop for minor steel repairs.</p>	<p>Businesses may use welders, machining equipment, lathe, trucks, and a fabrication facility, yard;</p> <p>Workers include; welders, laborers, sales/estimators, and administrative staff.</p>

Relevant sections of OHS Legislation:

### Occupational Health and Safety Act

**Section 3,4,5** Obligations of employers, workers, etc.

- 40 Serious injuries and accidents
- 53 Investigation of injury or incident
- 31 Right to refuse dangerous work
- 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

### Occupational Health and Safety Code (2009)

#### Part 1                      Section

- |                                     |     |                                   |
|-------------------------------------|-----|-----------------------------------|
| Definitions and General Application | 2.2 | Designated person to prepare plan |
|-------------------------------------|-----|-----------------------------------|

#### Part 2                      Section

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

#### Part 3                      Section

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

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<b>Part 4</b>	<b>Section</b>	
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
	<b>Refer to schedule 1</b>	

<b>Part 5</b>	<b>Section</b>	
Confined Spaces	44	Code of practice
	45	Hazard assessment
	46	Training
	47	Entry permit system
	48	Safety and protection - generally
	49	Protection – hazardous substance and energy
	50	Unauthorized entry
	51	Traffic hazards
	52	Testing the atmosphere
	53	Venting and purging
	54	Inerting
	55	Emergency response
	56	Tending worker
	57	Entry and exit
58	Retaining records	

<b>Part 7</b>	<b>Section</b>	
Emergency	115	Emergency response plan
Preparedness and Response	116	Contents of plan
	117	Rescue and evacuation workers
	118	Equipment

<b>Part 8</b>	<b>Section</b>	
Entrances, Walkways, Stairways and Ladders	119	Safe entry and exit
	120	Doors
	124	Ladders, restriction on work
	127	Use near energized electrical equipment
	128	Ladders on extending booms
	135	Manufactured portable ladder
	136	Securing and positioning
	137	Fall protection

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<b>Part 9</b>	<b>Section</b>	
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	Anchor strength - permanent
	152.1	Anchor strength - temporary
	152.2	Duty to use anchors
	152.3	Independence of anchors

<b>Part 10</b>	<b>Section</b>	
Fire and Explosion Hazards	161.1	Flammable or explosive atmospheres a hazard
	162	Prohibitions
	164	Contaminated skin and clothing
	171	Compressed and liquefied gas
	171.1	Welding -general
	171.2	Gas welding or allied process
	172	Storage compartments (welding services from vehicles)
	173	Horizontal cylinder storage
	174	Handling cylinders

<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>	

<b>Part 12</b>	<b>Section</b>	
General Safety Precautions	185	Housekeeping
	186	Lighting
	188	Restraining hoses and piping
	189	Securing equipment and materials
	194	Vehicle traffic control

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

<b>Part 15</b>	<b>Section</b>	
Managing the Control of Hazardous Energy	212	Isolation
	213	Verifying isolation
	214	Securing by individual workers
	215.3	Returning to operation

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

<b>Part 18</b>	<b>Section</b>	
Personal Protective Equipment	228	Duty to use personal protective equipment
	229	Eye protection (compliance with standards)
	231	Electric arc welding
	233	Footwear
	234	Head protection
	242	Limb and body protection
	243	Skin protection
	244	Respiratory dangers
	245	Code of practice

<b>Part 19</b>	<b>Section</b>	
Powered Mobile Equipment	256	Operator Responsibilities
	257	Visual inspection
	258	Dangerous movement
	260	Inspection and maintenance
	262	Starting engines
	263	Unattended equipment
	264	Lights
	265	Windows and windshields
	266	Other safety equipment
	274	Fuel tank in cab
	279	Refuelling

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

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

<b>Part 25</b>	<b>Section</b>	
Tools, Equipment and Machinery	362	Contact by clothing, etc.
	375	Grinders

<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)

<b>Part 29</b>	<b>Section</b>	
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