

Alberta Small Employer OHS Legislated Requirements

Industry Code: 40905
Pipeline 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 classification describes the construction of oil and gas pipelines.

Task description	Type of equipment used and workers employed
<p>After clearing the land, for underground pipelines, a trench is excavated of some depth and width. Pipe is 'strung along' by trucks and cranes near the surface edge of the trench. The pipe is lowered into the trench, welded, and the trench backfilled.</p> <p>Activities may include construction of pumping stations or other similar type of compressor station installation along the length or distance of the pipeline (both above and below ground oil and gas pipelines).</p>	<p>Power mobile equipment include; pipe stringers, side booms, trucks, welders, cranes, etc.,</p> <p>Workers include; equipment operators, designers, engineers, technical staff, labourers, welders, regulatory liaisons, 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

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

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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

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 6	Section	
Cranes, Hoists and Lifting Equipment	59	Application
	60	Not commercially manufactured
	61	Identification of components
	62	Rated load capacity
	63	Load charts
	64	Operator requirements
	65	Log books
	66	Preventing an unsafe lift
	67	Preventing collisions
	68	Load weight
	68.1	Lift calculation
	69	Loads over work areas
	70	Tag and hoisting lines
	71	Hand signals
	72	Controls
	73	Repairs and modifications
	74	Containers for hoisting
	88	Safety codes for mobile cranes
	89	Non-destructive testing
	90	Counterweights and outriggers
91	Warning device	
92	Preventing damage	
92.1	Load blocks	
92.2	Outriggers	

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

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 Precautions	185	Housekeeping
	186	Lighting
	188	Restraining hoses and piping
	189	Securing equipment and materials
	191	Signallers
	194	Vehicle traffic control

Part 14	Section	
Lifting and Handling Loads	208	Equipment
	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		

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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

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
	269	Guards and screens
	272	Falling objects protective structures
	273	Recertification after modification
	274	Fuel tank in cab
	279	Refuelling
290.1	Licensing and mechanical inspection (personal vehicle for work purposes)	

Part 21	Section	
Rigging	292	Breaking strength
	292.1	Safety factors
	293	Load ratings
	294	Inspection
	295	Prohibition
	296	Rigging protection
	297	Standards
	298	Slings
	299	Rope wound on drum
	300	Cable clips
	301	Ferrules
	302	Matching components
	303	Safety latches
	304	Makeshift rigging and welding
	305	Synthetic fibre slings

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306	Wire rope
307	Metal mesh slings
308	Electric arc damage
309	Damaged hooks

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

Part 24	Section	
Toilets and Washing Facilities	254	Restrictions by employer
	355	Drinking fluids
	356	Exception (temp. site)
	357	Toilet facilities

Part 25	Section	
Tools, Equipment and Machinery	362	Contact by clothing, etc.
	375	Grinders
	376	Chainsaws
	377	Circular saw blades

Part 27	Section	
Violence	389	Hazard assessment
	390	Policy and procedures
	391	Instruction of workers
	392	Response to incidents

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

Part 32	Section	
Excavating and Tunnelling	441	Disturbing the ground
	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

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- 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

Refer to schedule 9