

Alberta Small Employer OHS Legislated Requirements

Industry Code: 06304
Oilfield Maintenance/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 general contracting business undertake turn-key construction and maintenance projects at facilities and lease sites upstream of gas plants.

Task description	Type of equipment used and workers employed
Construct oil and gas wells, battery tanks, and compressor stations upstream of the processing facility. Construction activities may extend into ties-ins, installing/removing pumpjacks, dehydrators, and secondary construction activities of installing fences and gates. Activities may further extend into installing feeder lines when conducted as part of an overall construction project. Maintenance activities may include painting, welding, pipefitting, cleaning oil spills, clearing a lease road, and maintaining the grounds in and around the site.	Staffing requirements may include assorted laborers, technical staff, various construction trades, sales/estimators, and administrative staff. Subcontracting is common.

Relevant sections of OHS Legislation:

Occupational Health and Safety Act

Section	2 Obligations of employers, workers, etc.
	3 Prime contractor
	4 Multiple obligations
	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

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

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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	23	Worker decontamination
	24	Emergency baths, showers, eye wash equipment
	25	Prohibited activities
	26	Codes of practice
	27	Storage of harmful substance
	28	General provisions for asbestos, silica, coal dust and lead
	29	Restricted area
	30	Protective clothing used in restricted areas containing asbestos or lead
	31	Release of asbestos
	32	Prohibitions related to asbestos
	33	Asbestos in air distribution systems
	34	Asbestos in a building to be demolished
	35	Encapsulation, enclosure or removal of asbestos
	36	Notification of a project
	37	Asbestos worker course
	38	Containment and labeling of asbestos waste
	39	Use of crystalline silica in abrasive blasting
	40	Health assessments for workers exposed to asbestos, silica or coal dust
	Refer to schedule 1	

Part 5	Section	
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

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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

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
	75.1	Suspended personnel baskets
	88	Safety codes for mobile cranes
	88.1	Personnel baskets
	89	Non-destructive testing
	90	Counterweights and outriggers
	91	Warning device
92	Preventing damage	
92.1	Load blocks	
92.2	Outriggers	

Part 7	Section	
Emergency Preparedness and Response	115	Emergency response plan
	116	Contents of plan
	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
	124	Ladders, restriction on work
	126	Prohibition on painting
	127	Use near energized electrical equipment
	128	Portable ladders, prohibition
	130	Design criteria (fixed ladders)
	132	Rest platform exemption
	134	Constructed portable ladder
	135	Manufactured portable ladder
	136	Securing and positioning
	137	Fall protection

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 10	Section	
Fire and Explosion Hazards	161.1	Flammable or explosive atmospheres a hazard
	162	Prohibitions
	162.1	Classification of work sites
	163	Procedures and precautions
	164	Contaminated skin and clothing
	165	Protective procedures and precautions in hazardous locations
	166	Internal combustion engines
	167	Flare stacks, flare pits and flares
	168	Industrial furnaces and fired heaters
	169	Hot work

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170	Hot taps
171	Compressed and liquefied gas
171.1	Welding - general

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
	188	Restraining hoses and piping
	189	Securing equipment and materials
	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
	215.4	Isolating piping
	215.5	Pigging and testing of pipelines

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
	243	Skin protection
	244	Respiratory dangers
	245	Code of practice
	249	Quality of breathing air
	255	Abrasive blasting operations

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
	273	Recertification after modification
	274	Fuel tank in cab
	279	Refuelling
	290.1	Licensing and mechanical inspection (personal vehicle for work purposes)

Part 20	Section	
Radiation Exposure	291	Prevention and protection

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

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	301	Ferrules
	302	Matching components
	303	Safety latches
	304	Makeshift rigging and welding
	305	Synthetic fibre slings
	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
	313	Building shafts
	314	Covering openings
	315	Guardrails
	316	Hoppers, bins, chutes
	317	Machine failure
	318	Protection from falling objects
	319	Push stick or block
	321	Toe boards

Part 23	Section	
Scaffolds	323	CSA Standard applies
	324	Design
	325	Load
	326	Tagging requirements
	327	Vertical ladder on scaffold
	329	Scaffold planks
	330	Scaffold platform
	331	Metal scaffolding
	332	Bracket scaffolds
	333	Double pole scaffolds
	334	Free-standing or rolling scaffolds
	338	Outrigger scaffolds
	340	Single-pole scaffolds
	341	Suspended scaffolds
	346	Worker safety (elevated platforms and aerial devices)
	347	Standards
349	Fork-mounted work platforms	
352	Temporary supporting structures	
Refer to schedule 6		

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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.
	374	Actuated fastening tools
	375	Grinders
	376	Chainsaws
	377	Circular saw blades
	381	Cut-off saws

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)

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
	450	Methods of protection
	451	Cutting back walls

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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	