

Alberta Small Employer OHS Legislated Requirements

Industry Code: 42184
Mechanical Insulation – Install/Service

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 is a supply and install industry that describes mechanical insulation installation in oilfield and industrial plant facilities.

Task description	Type of equipment used and workers employed
<p>Mechanical insulation is applied to hot and chilled water pipes, boilers, tanks, vessels, refrigeration piping and duct work. Materials used include metal clad foam, foam, fiberglass and fiberglass compounds. It is applied by wrapping, strapping, clamping and gluing.</p> <ul style="list-style-type: none"> • Removal of asbestos • Mechanical Insulating 	<p>Equipment includes; warehouse/storage facility, trucks, scaffolding, and hand tools.</p> <p>Workers include; insulators, abatement workers, labourers, warehouse, administrative staff.</p>

Relevant sections of OHS Legislation:

Occupational Health and Safety Act	
Section	<p>2 Obligations of employers, workers, etc.</p> <p>18 Serious injuries and accidents</p> <p>19 Investigation of accidents</p> <p>35 Existence of imminent danger</p> <p>37 Disciplinary action complaint</p>

Occupational Health and Safety Regulation	
Section	<p>7 Availability of specifications</p> <p>12 Equipment</p> <p>13 General protection of workers</p> <p>14 Duties of workers</p> <p>15 Safety training</p>

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 4	Section	
Chemical Hazards, Biological Hazards and Harmful Substances	16	Worker exposure to harmful substance
	21	Potential worker exposure
	22	Worker overexposure
	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	
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
	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	

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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 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
	127	Use near energized electrical equipment
	128	Portable ladders, prohibition
	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 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		

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Part 12	Section	
General Safety	185	Housekeeping
Precautions	186	Lighting
	187	Pallets and storage racks
	189	Securing equipment and materials

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 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

Part 19	Section	
Powered Mobile Equipment	256	Operator Responsibilities
	290.1	Licensing and mechanical inspection (personal vehicle for work purposes)

Part 22	Section	
Safeguards	310	Safeguards
	311	Tampering with safeguards
	312	No safeguards
	314	Covering openings
	315	Guardrails
	321	Toe boards

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Part 23	Section	
Scaffolds	323	CSA Standard applies
	324	Design
	325	Load
	326	Tagging requirements
	327	Vertical ladder on scaffold
	328	Working from a ladder
	329	Scaffold planks
	330	Scaffold platform
	331	Metal scaffolding
	334	Free-standing or rolling scaffolds
	346	Worker safety (elevated platforms and aerial devices)
	347	Standards
	348	Permanent suspension powered work platforms
	349	Fork-mounted work platforms
Refer to schedule 6		

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

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