



Department of Justice

WorkSafe Tasmania

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Website www.worksafe.tas.gov.au

Service Tasmania Office Use Only

Product Code 284

Fee collected

Applicant signed & dated

Designer signed & dated

Verifier signed & dated

Drawings included



APPLICATION FOR REGISTRATION OF PLANT DESIGN

1. Type of Application (tick one)

New Design

Alteration of Tasmanian Plant Design

Tasmanian Design Number

2. Details of Person Conducting a Business or Undertaking (PCBU)

Entity / Company Name

Business Name

ACN

ABN

Address

Suburb

Postcode

Phone

Email address

3. Details of applicant

Tick one

Designer

Person with management or control of plant

Surname

First Name

Position Title

Phone

Email address

4. Plant Design Details

Manufacturer

Model Number / Name

Name of Plant (e.g amusement device name - if applicable)

Attached Representational Drawing(s) (to be no greater than A3 and are capable of being kept in electronic form)

Drawing Title

Drawing Number

Drawing Title

Drawing Number

5.Type of Plant (tick one and complete the relevant section)			
	5.1	Pressure Equipment	<u>Pressure vessel</u> means a vessel subject to internal or external pressure and includes interconnected parts and components, valves, gauges and other fittings up to the first point of connection to connecting piping and fire heaters and gas cylinders but does not include a boiler or pressure piping.
	5.2	Boiler	<u>Boiler</u> means a vessel, or an arrangement of vessels and interconnecting parts, in which steam or vapour is generated or in which water or other liquid is heated at a pressure above that of the atmosphere by the application of fire, the products of combustion, electrical power or similar high temperature means and superheaters, reheaters, economisers, boiler piping, supports, mountings, valves, gauges, fittings, controls, boiler setting and other equipment directly associated with those vessels.
	5.3	Gas Cylinders	Gas cylinder means a rigid vessel that does not exceed 3000 litres water capacity and is without openings or integral attachments on the shell other than at the ends and that is designed for the storage and transport of gas under pressure and that is covered by AS2030.1 Gas cylinders - General requirements.
	5.4	Tower crane including self-erecting tower crane	Tower crane means a boom or jib crane mounted on a tower structure.
	5.5	Lift / Escalators / Moving Walkway	Lift means plant that is, or is intended to be, permanently installed in or attached to a structure, in which people, goods or materials may be raised or lowered within a car or cage, or on a platform and the movement of which is restricted by a guide or guides and includes a chairlift, escalator, moving walkway and stairway lift and any supporting structure machinery, equipment, gear, lift well, enclosures and entrances
	5.6	Building Maintenance Unit	A power operated suspended platform and associated equipment on a building specifically designed to provide a permanent access to the faces of the building for maintenance.
	5.7	Hoist with platform movement exceeding 2.4m designed to lift people	An appliance intended for raising or lowering a load or people and includes an elevating work platform, a mast climbing work platform, personnel and materials hoist, scaffolding hoist and serial hoist, but does not included a lift or building maintenance unit.
	5.8	Workbox designed to be suspended from cranes	Workbox means a personnel carrying device, designed to be suspended from a crane, to provide a working area for a person elevated by and working from the device.
	5.9	Amusement devices & Passenger Ropeway	Amusement devices covered Section 2.1 of AS3533 Amusement rides and devices - Design & construction except class 1 devices such as playground devices, water slides where water facilitates patrons to slide easily, predominantly under gravity, along a static structure, wave generators where patrons do not come into contact with parts of machinery used for generating water waves, inflatable devices that are sealed; inflatable devices that do not use a non-return valve.
	5.10	Concrete placing boom	Plant incorporating a knuckle boom, capable of power operated slewing and luffing to place concrete by way of pumping through a pipeline attached to, or forming part of, the boom
	5.11	Prefabricated Scaffolding	
	5.12	Boom Type Elevating Work Platform	A telescoping device, hinged device, or articulated device, or any combination of these, used to support a platform on which personnel, equipment and materials may be elevated.
	5.13	Bridge/Gantry Crane	Bridge cranes with a rated capacity greater than 10 tonnes. Gantry cranes with a rated capacity greater than 5 tonnes and any bridge or gantry crane which is designed to handle molten metal or hazardous chemical.
	5.14	Vehicle Hoist	A device to hoist vehicles designed to provide access for under-chassis examination or service.
	5.15	Mast Climbing Unit	A hoist with a working platform used for temporary purposes to raise personnel and materials to the working position by means of a drive system mounted on an extendable mast that may be tied to a structure.
	5.16	Mobile Crane	A mobile crane with a rated capacity of greater than 10 tonnes. A crane capable of travelling over a supporting surface without the need for fixed runways & relying only on gravity for stability.

5.1 Pressure Equipment

Your identification name / number of the vessel

Type: Steam Vessel (tick one); or

De-aerator	Steam vessel with quick actuating closure	Steam process vessel
Steam jacketed vessel	Other please specify	

Type: Pressure Vessel (tick one); or

Air receiver	Static low temperature vessel	Static storage (corrosive)
Auxiliary vessel	Buried or mounded vessel	Static storage (non-corrosive)
Water heater	Vacuum vessel	Process vessel
Fire heater/convection bank	Heated vessel (other than steam heated) with quick actuating closure	
Refrigeration and air conditioning vessel	Other please specify	

Type: Transportable Pressure Vessel (tick one)

Bulk - quenched/tempered construction	Low temperature
Powder discharge - aluminium construction	Bulk - carbon steel construction
Powder discharge - carbon steel construction	Other (specify)

Pressure Vessel hazard category to AS4343 (please tick one)	A	B	C	D
Design pressure (MPa)	Design temp (°C)	Volume (litres)		
Contents				

5.2 Boiler

Your identification name / number of the vessel

Boiler Type (tick one):

Water tube	Steam generator (coil type)	Electric	Fire tube	Vertical tubeless
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What does the boiler produce?	Steam	Hot water
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What is the attendance status of the boiler (to AS5293)?	Unattended	Limited	Fully Attended
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Boiler hazard category to AS4343 (please tick one)	A	B	C	D
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Design pressure (MPa)	Volume (litres)
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Design temp (°C)	Boiler Output (kW)
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5.3 Gas Cylinder

Material Type:	Steel	Aluminium	Other (specify)
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Construction Type:	Welded	Seamless	Wrapped
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Design pressure (MPa)	Volume (litres)
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Test Pressure (MPa)	Contents
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5.4 Tower crane including self-erecting tower crane

How is the boom luffed?

Hydraulic cylinder

Winch

Not applicable

What type of base does the tower crane have?

Free standing

Steel Grillage

Concrete

Other (please specify)

Max rated capacity (t)

Max radius (m)

Max free standing height (m)

5.5 Lift / escalator / moving walkway

Type of lift (eg passenger, goods, services, escalator etc)

Operation (electric, pneumatic, hydraulic, water etc)

Number of floors serviced by the lift?

Number of passengers?

Max speed of the lift (m/s)?

Max rated load (kg)

Size of car: Length (m)

Width(m)

Height(m)

Control used for lift motor:

Single speed AC

Two speed AC

Variable voltage DC

Variable voltage AC

Variable frequency

Variable voltage DC-static

Other please specify

5.6 Building Maintenance Unit

Max rated capacity (t)

Max working height (m)

Max free standing height (m) (if applicable)

5.7 Hoists

Max rated capacity (t)

Max working height (m)

Max free standing height (m) (if applicable)

5.8 Work boxes designed to be suspended from cranes

Max rated capacity(t)

Length(m)

Width(m)

5.9 Amusement Device / Passenger Ropeway

Operating name of amusement device (eg Big Dipper, Twister, Summit Chair)

Class of device in accordance with AS3533

Is the Amusement Device?	Fixed	Mobile		
Operating power:	Electric-hydraulic	Electric	Battery	Diesel
	Petrol	Other (please specify)		
Type of passenger support:	Cabin/chair lift	Suspended	Slide	
	Standing platform	rope tow	Seat	
Number of supports or units	Maximum number of Persons			
Minimum height (cm)	Minimum Age			
Maximum speed of patrons(m/s)	Maximum acceleration (g force)			
Maximum revolving speed (if applicable)(rpm)	Maximum height attained by patrons (m)			
Is pressure equipment used with the device?	Yes	No		

Further Information required for Ropeways

Travel distance	Number of load/unload facilities	Maximum height
Number of towers	Number of compression tension towers	

5.10 Concrete Placing Boom

Maximum boom length (m)	Maximum delivery rate (m3/hr)	
Truck mounted	or	Fixed

5.11 Prefabricated scaffolding

Modular type	Tower - Frame	Frame type		
Design duty loading to AS 1576 (tick one only)	Heavy	Medium	Light	Special
Description of Design (including duty, live load, height, etc)				

5.12 Boom Type Elevating Work Platform

Type/Description	Truck mounted	Self propelled	Trailer mounted
Other please specify			
Max rated capacity (t)	Max working height (m)	Max radius (m)	

5.13 Gantry / Bridge Crane

Max rated capacity (t)	Max span of bridge(m)
Does the crane handle molten metal or hazardous chemicals?	Yes No

5.14 Vehicle Hoist

Vehicle Hoist Type:	Fixed	Mobile
Operating Method		
Max rated capacity (kg)	Max working height (m)	Max hoisting speed (m)

5.15 Mast Climbing Work Platform

Max rated capacity (t)	Max working height (m)
Max free standing height (m) (if applicable)	
Mast type	Single Double
Type of base	Fixed Trailer Mounted Other

5.16 Mobile Crane

Mobile Crane Description			
How is the mobile crane mounted?	Truck	Tractor	Crawler
What is the mobile crane boom type?	Fixed length	Hydraulic extension	Pin jib (lattice)
Is the mobile crane ?	Slewing	Non-Slewing	
How is the boom luffed?	Hydraulic cylinder	Winch	
Maximum rated capacity (t)	At Radius (m)		

6. Designer of Plant Statement

Surname

First Name

Qualifications

Employed by

Address

Suburb

Postcode

Phone

Email

Please list all documented engineering principles used in the design

Please list title and number of all published technical standards used in the design

I hereby verify that the design to which this application applies has been done in accordance with the above named technical standards and engineering principles and Section 22 of the *Work Health and Safety Act 2012*.

Signature (Designer of Plant)

Date

7. Design Verifier Statement

Surname

First Name

Qualifications

Employed by

Address

Suburb

Postcode

Phone

Email

I declare the design to which this application applies, has been produced in accordance with the published technical standards or engineering principles specified in the designer's statement of this application and I was not involved in the production of the design of the plant.

Signature (Design Verifier)

Date

8. Applicant Declaration

1, Full name,

Hereby declare that:

- this design has not been registered, or an application made for registration with any other State or Territory
- the information in this application is true and correct to the best of my knowledge
- I consent to WorkSafe Tasmania making enquiries and exchanging with WHS regulators in other states or territories or the commonwealth regarding any matter relevant to this application.

Signature of applicant

Date

10. Checklist and Lodgement Details

Lodge application via Service Tasmania Outlet, or by post to WorkSafe Tasmania.

Checklist

Representational drawings attached
(must be submitted in English and capable of being in an electronic form)

Payment of fee

All sections completed, including:

Relevant part of Section 5 - Type of Plant

Section 6 completed - Signed statement from plant designer
If located overseas the application must state details of the technical standards used in the design and/or the engineering principals used in the design and declaration that 'I have complied with the designer's obligations under Section 22 of the Work Health and Safety Act 2012 in respect to the design of the plant', dated and signed. The statement must be in English or translated into English

Section 7 completed - Signed statement from Design Verifier

Section 8 completed - Applicant Declaration

Privacy Compliance Statement

The personal information you provide in this notification will be used by WorkSafe Tasmania for that purpose and may be used for other purposes permitted by the Work Health and Safety Act 2012 and associated laws.

Your personal information may be disclosed to contractors or agents or WorkSafe Tasmania, law enforcement agencies, courts and other public sector bodies or organisations authorised to collect it.

This information will be managed in accordance with the Personal Information Protection Act 2004 and may be accessed by you on request to this Department. You may be charged a fee for this service.