



**Department of Justice**

WorkSafe Tasmania  
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Service Tasmania Office Use Only  
Product Code 284

- Fee collected
- Applicant signed & dated
- Designer signed & dated
- Verifier signed & dated
- Drawings included

PRF 1



# APPLICATION FOR REGISTRATION OF PLANT DESIGN

## 1. Reason for Application

- Type of application: (tick one)       New Design       Alteration of Tasmanian Plant Design
- Applicant: (tick one)       Designer       Person with management of control of item of plant

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

Company Name

Trading Name

ACN  ABN

Address  Postcode

Phone  Email address

## 3. Details of applicant

Surname  First Name

Position Title  Phone  Email address

## 4. Plant Design Details

Manufacturer  Name of Plant (e.g amusement device name)

Model Number  Tas Design No (if applicable)  Date of design alteration

## 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)**

<input type="checkbox"/>	5.1	<b>Pressure Equipment</b>	Pressure vessel 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.
<input type="checkbox"/>	5.2	<b>Boiler</b>	Boiler 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.
<input type="checkbox"/>	5.3	<b>Gas Cylinders</b>	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.
<input type="checkbox"/>	5.4	<b>Tower Crane including self-erecting tower crane</b>	Tower crane means a boom or jib crane mounted on a tower structure.
<input type="checkbox"/>	5.5	<b>Lift / Escalators / Moving Walkway</b>	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
<input type="checkbox"/>	5.6	<b>Building Maintenance Unit</b>	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.
<input type="checkbox"/>	5.7	<b>Hoist with platform movement exceeding 2.4m designed to lift people</b>	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.
<input type="checkbox"/>	5.8	<b>Workbox designed to be suspended from cranes</b>	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.
<input type="checkbox"/>	5.9	<b>Amusement Device &amp; Passenger Ropeway</b>	Amusement devices covered by Section 2.1 of AS3533 Amusement rides and devices - Design and construction except class I 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.
<input type="checkbox"/>	5.10	<b>Concrete Placing Boom</b>	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 of the plant.
<input type="checkbox"/>	5.11	<b>Prefabricated Scaffolding</b>	
<input type="checkbox"/>	5.12	<b>Boom Type Elevating Work Platform</b>	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.
<input type="checkbox"/>	5.13	<b>Bridge / Gantry Crane</b>	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.
<input type="checkbox"/>	5.14	<b>Vehicle Hoist</b>	A device to hoist vehicles designed to provide access for under-chassis examination or service.
<input type="checkbox"/>	5.15	<b>Mast Climbing Unit</b>	A hoist with a working platform used for tyemporary 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.
<input type="checkbox"/>	5.16	<b>Mobile Crane</b>	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

### Steam Vessel; or

De-aerator  Steam vessel with quick actuating closure  Steam process vessel

Steam jacketed vessel

Other please specify

### Pressure Vessel; 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

### Transportable Pressure Vessel

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  Water tube  Steam generator (coil type)  Electric  Fire tube  Vertical tubeless

Other (specify)

What does the boiler produce

 Steam Hot water

What is the attendance status of the boiler (to AS5293)?

 Unattended Limited Fully Attended

Boiler hazard category to AS4343 (please tick one)

 A B C D

Design pressure (MPa)

Volume (litres)

Design temp (°C)

Boiler Output (kW)

## 5.3 Gas Cylinder

Material Type

 Steel Aluminium

Other (specify)

Construction Type

 Welded Seamless Wrapped

Design pressure (MPa)

Volume (litres)

Test Pressure (MPa)

Contents

## 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  Concrete  Steel Grillage

Other (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?

What is the max speed of the lift (m/s)?

Number of passengers

Max rated load (kg)

Size of car Length (m)

Width (m)

Height(m)

Single speed AC

Two speed AC

Variable voltage DC

Control used for lift motor

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

Battery

Electric

Electric-hydraulic

Petrol

Diesel

Other please specify

Type of passenger support

Cabin/chair lift

rope tow

Seat

Standing platform

Suspended

Slide

Number of supports or units

Maximum number of Persons

Minimum Age

Maximum speed of patrons(m/s)

Minimum height (cm)

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 compression tension towers

Maximum height

Number of towers

Number of load/unload facilities

## 5.10 Concrete Placing Boom

Maximum boom length (m)

Maximum delivery rate (m<sup>3</sup>/hr)

Truck mounted

or

Fixed

## 5.11 Prefabricated scaffolding

Modular type

Tower - frame

Frame type

Design duty loading according 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 of the slewing or non-slewing type

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

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

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

I, 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.