

Service Tasmania Office use only:
Product Code: 284
 Fee collected
 Applicant signed & dated
 Designer signed & dated
 Verifier signed & dated
 Statement of limitations included
 Drawings included



Application for Registration of Plant Design (PRF1)

Please complete relevant sections and submit your application to Service Tasmania with the prescribed fee of \$71.44 for each design registration.

Please tick one (1) design of plant to which this application applies and complete all details below then proceed to, and complete the relevant section

<input type="checkbox"/> 1 Pressure Vessel (see note 1)	<input type="checkbox"/> 6 Hoist – see below	<input type="checkbox"/> 11 Crane hoist (see note 10)
<input type="checkbox"/> 2 Boiler (see note 2)	<input type="checkbox"/> 7 Amusement structure (see note 5)	<input type="checkbox"/> 12 Portal boom crane
<input type="checkbox"/> 3 Tower Crane	<input type="checkbox"/> 8 Prefabricated Scaffolding	<input type="checkbox"/> 13 Mobile crane (see note 11)
<input type="checkbox"/> 4 Work box (see note 3)	<input type="checkbox"/> 9 Boom type elevating work platform	<input type="checkbox"/> 14 Mine Winder
<input type="checkbox"/> 5 Lift/escalator/moving walk	<input type="checkbox"/> 10 Bridge crane/Gantry crane	

<input type="checkbox"/> 6 Hoist (see note 4)	<input type="checkbox"/> Vehicle hoist	<input type="checkbox"/> Building Maintenance unit
<input type="checkbox"/> Personnel & Material hoist	<input type="checkbox"/> Scaffolding hoist	<input type="checkbox"/> Mast climbing work platform
	<input type="checkbox"/> Scissor hoist	<input type="checkbox"/> Other

Recognition of Design Registration by Work Cover New South Wales

If you want design recognition by WorkCover NSW please tick this box and supply information that confirms note 12, (a) and (b), on page 5 of this form.

Details of Applicant: Representing: Designer Manufacturer Importer Supplier Employer Owner

I,

Employed by.....

Address.....Postcode.....

Phone:.....Fax:.....Email:.....

Hereby apply for registration of the Plant Design portrayed below. **I further state:-**

1. that the Design Verifier did not participate in the design to which this application applies, and

2. this design has not been registered, or an applications made for registration, with any other State or Territory

Signature.....Date.....

Designer of Plant (see note 6)

Name.....

Qualifications.....

Employed by.....

Address.....Postcode.....

Phone:.....Fax:.....Email.....

Please list title and author of documented design principles used in the design:

.....

Please list title and number of any 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/or engineering principles and *Workplace Health and Safety Act 1995*.

Signature Date.....

Design Verifier's Statement

I,.....being the holder of the following qualifications.....

acting as agent for.....(Employer).....

Address.....Postcode.....

Phone:.....Fax:.....Email:.....

hereby verify that the design to which this application applies, has been produced in accordance with the above named published technical standards and/or engineering principles recorded by the designer in accordance with the *Workplace Health and Safety Act 1995*

Signature..... Date.....

If applicable, the person responsible for importing plant into Tasmania (see note 7)

Representing: Designer Manufacturer Importer Supplier Employer Owner
Employed by.....
Address.....Postcode.....
Phone:.....Fax:.....

Attached Representational Drawing (State Title and Drawing Number)

.....
.....
.....

Warning: Any drawings submitted may be subject to Freedom of Information requests.

Information relating to trade secrets or other matters of commercial or financial nature should be marked 'TRADE SECRET'

Location of Plant (if known).....Postcode:.....
Model number of plant.....

A Statement of Limitations must be included with this application for registration of Plant Design to be finalised.
(please attach with application)

1 PRESSURE VESSEL

Your identification name of the vessel.....
.....

Steam Vessel

- | | |
|--|--|
| <input type="checkbox"/> De-aerator | <input type="checkbox"/> Steam vessel with quick actuating closure |
| <input type="checkbox"/> Steam jacketed vessel | <input type="checkbox"/> Other steam vessel (Specify).....
.....
..... |

Pressure Vessel

- | | |
|--|--|
| <input type="checkbox"/> Air receiver | <input type="checkbox"/> Static low temperature vessel |
| <input type="checkbox"/> Auxiliary vessel | <input type="checkbox"/> Static storage (corrosive) |
| <input type="checkbox"/> Buried or mounded vessels | <input type="checkbox"/> Static storage (non-corrosive) |
| <input type="checkbox"/> Fire heaters or convection banks | <input type="checkbox"/> Vacuum vessel |
| <input type="checkbox"/> Gas cylinder under AS2030 | <input type="checkbox"/> Water Heaters |
| <input type="checkbox"/> Heated vessel (other than steam heated) with quick acting closure | <input type="checkbox"/> Other steam vessel (specify).....
.....
..... |
| <input type="checkbox"/> Process vessel | |
| <input type="checkbox"/> Refrigeration and air-conditioning vessel | |

Transportable Pressure Vessel

- | | |
|--|---|
| <input type="checkbox"/> Bulk (e.g. LPG, ammonia) – quenched and tempered construction | <input type="checkbox"/> Power discharge – aluminium construction |
| <input type="checkbox"/> Bulk (e.g. LPG, ammonia) – carbon steel construction | <input type="checkbox"/> Low temperature |
| <input type="checkbox"/> Power discharge – carbon steel construction | <input type="checkbox"/> Other (Specify).....
..... |

**Pressure Vessel Hazard
Category to AS4343 (A,B,C,D)**

(Please tick appropriate box)

- A B C D

(see note 8) Design pressure (MPa).....
Volume (litres).....
Design temp (°C).....
Contents (Specify): Gas/liquid

2 BOILER

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> Water tube | <input type="checkbox"/> Steam generator (coil type) |
| <input type="checkbox"/> Fire tube | <input type="checkbox"/> Vertical tubeless |
| <input type="checkbox"/> Electric | |

Please complete the following details

Boiler hazard category A B C D Boiler output (MW)

To AS4343 (A,B,C,D)

What is the attendance status of the boiler? Fully Attended No attendant required

(Please tick the appropriate box)

Limited attendance to AS2593 Unattended to AS2593

Does the boiler produce

Steam Hot Water (i.e. water over 100 °Celsius)

Other

(see Note 8) Design pressure (MPa).....

Volume (litres).....

Design temp (°C).....

3 TOWER CRANE

What type of base does the tower crane have?

- Free standing Steel grillage
 Concrete Other

How is the boom luffed?

- Winch Hydraulic cylinder Not applicable

Max. SWL (t)

Max. radius (m)

Max. free standing height (m)

4 WORKBOX

- Suspended from a crane or other lifting machinery Supported from an industrial fork-lift truck

Max. SWL (t)

Length (m)

Width (m)

If suspended, what system is used?

5 LIFT

Type of lift (e.g. passenger, goods, services, escalator etc.).....

Operation (electric, electro hydraulic, water etc.).....

Please complete the following details

Number of floors serviced by the lift?

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

Max. SWL/rated load (kg)

Number of passengers

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)

6 HOIST (Tick Only One Hoist type)

- Vehicle hoist
- Mast climbing work platform
- Hoists with a platform movement in excess of 2.4 metres, designed to lift people or on which people can be supported
- Other (describe).....
- Building maintenance unit
- Personnel & material hoist
- Scaffolding hoist
- Scissor hoist

Max. SWL (t)

Max. working height (m)

Max. free standing height (if applicable) (m)

7 AMUSEMENT STRUCTURE

Type/Description of amusement ride (eg Ferris Wheel, Roller Coaster, Chair Lift)

.....

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

.....

- Amusement Structure Fixed
- Amusement Structure Mobile
- Class according to AS3533

8 PREFABRICATED SCAFFOLDING

- Modular type
- Tower – frame type
- Frame type

Description of Design (Description of prefabricated scaffolding including duty live load height, etc.)

.....

.....

9 BOOM-TYPE ELEVATING WORK PLATFORM

Type/Description Vehicle mounted Self propelled Trailer mounted

Other (please specify).....

Max. SWL (kg)

Max. working height (m)

Max. radius (m)

10 BRIDGE/GANTRY CRANE

Gantry crane with SWL greater than 5 tonnes

Max. SWL (t)

Bridge crane with SWL greater than 10 tonnes

Max. span of bridge (m)

11 CRANE/HOIST

This section applies to any crane or hoist designed to handle molten metal or dangerous goods (see ADG Code) in an open container

Type of crane/hoist (please specify).....

Designed to lift

Dangerous goods type (please specify).....

Molten metal

Max. SWL (t)

Max. span of bridge (m) (if applicable)

12 PORTAL BOOM CRANE

Max. SWL (t)

at Radius (m)

13 MOBILE CRANE

How is the mobile crane mounted?

Truck Tractor Crawler

What is the mobile crane boom type?

Fixed length Hydraulic extension Pin Up (Lattice)

Is the mobile crane of the slewing or non-slewing type?

Slewing Non-Slewing

How is the boom luffed?

Hydraulic cylinder Winch

Max. SWL (t)

at Radius (m)

14 MINE WINDER

Type of Winder

Personnel
 Materials
 Personnel & Materials

Drive Type

Drum Drive
 Friction Drive

Control Type

Manual control
 Automatic control

Please complete the following details

Max. SWL/rated load (t)

What is the max. winder speed (m/s)?

Shaft size: Depth (m)

Diameter (m)

Notes

- Pressure vessels as defined in AS/NZS 1200 *Boilers & Pressure Vessels*, and AS2030 *Gas Cylinders* with hazard level of A,B,C or D according to the criteria identified in AS4343, *Pressure Equipment – Hazard Levels*.
- Boilers, as defined in AS/NZS 1200 *Boilers & Pressure Vessels* with a hazard level of A,B,C or D according to the criteria identified in AS4343, *Pressure Equipment – Hazard Levels*.
- Workbox suspended by a crane or other lifting machinery, or supported by an industrial fork – lift truck.
- Includes any hoist with a platform movement in excess of 2.4metres, designed to lift people or on which people may be supported.
- Amusement structures relates to those that come within the scope of AS3533 – *Amusement Rides and Devices*, other than amusement structures referred to in AS3533 as class 1 structures.
- There will be most likely various designers of components making up the plant defined under the Act. The designer identified by this notice is the person responsible for the final **whole** design of the plant to which this application applies.
- Importation may be from overseas or interstate.
- Design pressure of equipment (gauge unless noted). Volume of contained pressurised fluid in the single item of equipment. The volume of piping is not included in the volume of the pressure vessel.
- Gantry cranes with SWL exceeding 5 tonnes. Bridge cranes with a SWL exceeding 10 tonnes.
- Any crane or hoist, including bridge and gantry cranes, designed to handle molten metal or dangerous goods – refer Australian Code for the Transport of Dangerous Goods by Road or Rail (ADG Code) in an open container.
- Mobile cranes with a safe working load exceeding 10 tonnes.
- (a) The NSW Occupational Health & Safety Regulation 2001, (clause 107) requires that the designer & design verifier are not employed or engaged by the same person (company) unless working under an accredited Quality System that meets the requirements of ISO 9001 that includes design.

(b) In addition, should plant specified in the Table of clause 107 of above Regulation not be designed to an Australian Standard specified in Schedule 1 of the above Regulation (see list of standards at www.workcover.nsw.gov.au), then the application will require a statement by the design verifier giving details of the standard being used and stating that the design has been assessed against the relevant Australian Standard (from Schedule 1) and the design will produce an item of plant that provides at least an equivalent level of safety as would the Australian Standard.

PAYMENT OF REGISTRATION

- To lodge your application, take it in person to a Service Tasmania Outlet.
- You must ensure that your application form is completed correctly and you have all supporting documentation required (see applicant's check list below)

APPLICANT'S CHECKLIST

- Ensure that your application form has been signed and dated by the Applicant, Designer and Design Verifier,
 Include a 'Statement of limitations',
 Attach a copy of a representational drawing,
 If you want this design to be recognised by WorkCover NSW please include documentation that confirms note 12, (a) and (b), in above notes,