

REGISTRATION OF PLANT DESIGN – APPLICATION

PD3 FEBRUARY 2022

Use this form to register the design of an item of plant or to register an alteration(s) to a design of an item of plant specified in part 1 of Schedule 5 to the WHS Regulation.

The following plant requires design registration:

- Pressure vessels, categorised as hazard level A, B, C or D according to the criteria in section 2.1 of AS 4343: 2005 *Pressure equipment – hazard levels*.
- Boilers categorised as hazard level A, B, C or D according to criteria in section 2.1 of AS 4343: 2005 *Pressure equipment – hazard levels*.
- Gas cylinders covered by section 1.1 of AS 2030.1: 2009 *Gas cylinders – general requirements*.
- Lifts.
- Escalators and moving walkways.
- Tower cranes including self-erecting tower cranes.
- Gantry cranes with a safe working load (SWL) greater than five tonnes or bridge cranes with a SWL greater than 10 tonnes, and any gantry crane or bridge crane which is designed to handle molten metal or Schedule 11 hazardous chemicals.
- Mobile cranes with a rated capacity of greater than 10 tonnes.
- Hoists with a platform movement exceeding 2.4 metres, designed to lift people.
- Vehicle hoists.
- Mast climbing work platforms.
- Building maintenance units.
- Work boxes designed to be suspended from cranes.
- Concrete placing booms.
- Prefabricated scaffolding.

- Passenger ropeways.
- Boom-type elevating work platforms.
- Amusement devices covered by section 2.1 of AS 3533.1: 2009 *Amusement rides and devices – design and construction*, **except**: class 1 devices, playground devices, water slides where water facilitates patrons slide easily (predominantly under gravity) along a static structure, wave generators where patrons do not come into contact with the parts of machinery used for generating water waves, inflatable devices that are not continuously blown or inflatable devices with platforms less than three metres in height.

Further exceptions that do not require plant design registration include a heritage boiler, crane or hoist that is manually powered, elevating work platform that is a scissor lift or a vertically moving platform or a tow truck.

How to fill in this form

Please type directly into the form. When complete, save a copy before emailing or printing.

If completing by hand, please print clearly and mark box(es) with a ☒ where required.

Fees

Refer to the fees schedule on the SafeWork NSW website or call 13 10 50. Payment of correct fee must be submitted with the application form.

Lodgement instructions

Email (preferred): licensing@safework.nsw.gov.au
(credit card payments only)

Email the application – do not send more than once.

For assistance call – 13 10 50

SECTION 1. TYPE OF REGISTRATION

A reference to the alteration of a design is a reference to an alteration that may affect health and safety (Clause 244 (2) of the WHS Regulation). **Mark one box only.**

☐ New plant design registration. Go to Section 2. **OR** ☐ Alteration of plant design registration. Please complete this section
 Original design registration number

What is the reason for the design alteration and what does the alteration consist of?

SECTION 2. APPLICANT DETAILS

The person conducting a business or undertaking (PCBU) that designs an item of plant or a person who has management or control of an item of plant may register the design of an item of plant.

Applicant type (mark one box only)

☐ Individual ☐ Corporation/PCBU (nominated responsible person for a corporation)

SECTION 2.1 INDIVIDUAL APPLICANT OR CONTACT PERSON FOR A CORPORATION

Title Family/Surname Daytime contact number

Given name Mobile number

Other names Email

SECTION 2.2 CORPORATION/PCBU DETAILS IF APPLICABLE

Registered name Registered business (trading) name (if applicable)

ABN

SECTION 2.3 ADDRESS (STREET ADDRESS FOR AN INDIVIDUAL OR REGISTERED BUSINESS ADDRESS FOR A CORPORATION/PCBU)

STREET ADDRESS (MUST NOT BE A PO BOX)

Unit number/Street number/Property number
 (include Lot or DP number if applicable)

Street name

Suburb

State Postcode

Country (if other than Australia)

POSTAL ADDRESS

Same as street address

Unit number/Street number/Property number
 (include Lot or DP/PO Box/GPO Box/Private Bag/Locked Bag)

Street name

Suburb

State Postcode

Country (if other than Australia)

SECTION 3. PLANT DETAILS

Required for all plant design applications. Representational drawings of the design must be attached to the application. The drawings and other documents submitted with the application must be submitted in the English language and be capable of being kept in electronic form.

Manufacturer (if known)

Model/identification number (if relevant) and/or name of the item of plant for which the design registration is required (for example amusement device ride or passenger ropeway name). **Please ensure the model/identification number is identical to that on the representational drawing.**

Month/Year of design or alteration (MM/YYYY)

Representational drawing information for which the design registration is required. If there are more than four drawings, please provide details on a separate piece of paper. **Note:** Detail drawings are not required, one to three representational drawings are usually adequate. Please ensure the drawing number is identical to that on the representational drawing.

Title	Title
Drawing number	Drawing number
Revision number	Revision number
Title	Title
Drawing number	Drawing number
Revision number	Revision number

I have submitted copies of the representational drawings.

SECTION 4. TYPE OF PLANT

Mark one item of plant for which design registration is sought.

Pressure vessels categorised as hazard level A, B, C or D according to the criteria in section 2.1 of AS 4343: 2005 Pressure equipment – hazard levels. **Please go to section 4.1**

Boilers categorised as hazard level A, B, C or D according to criteria in section 2.1 of AS 4343: 2005 Pressure equipment –hazard levels. **Please go to section 4.2**

Gas cylinders covered by section 1.1 of AS 2030.1: 2009 Gas cylinders – general requirements. **Please go to section 4.3**

Lift. **Please go to section 4.4**

Escalators or moving walkways. **Please go to section 4.5**

Tower cranes including self-erecting tower cranes. **Please go to section 4.6**

Gantry cranes with a SWL greater than five tonnes or bridge cranes with a SWL greater than 10 tonnes, or any gantry crane or bridge crane which is designed to handle molten metal or Schedule 11 hazardous chemicals. **Please go to section 4.7**

Mobile cranes with a rated capacity of greater than 10 tonnes. **Please go to section 4.8**

Hoists with a platform movement exceeding 2.4 metres, designed to lift people. **Please go to section 4.9**

Vehicle hoists. **Please go to section 4.10**

Mast climbing work platforms. **Please go to section 4.11**

Building maintenance units. **Please go to section 4.12**

Work boxes designed to be suspended from cranes. **Please go to section 4.13**

Concrete placing booms. **Please go to section 4.14**

Prefabricated scaffolding. **Please go to section 4.15**

Passenger ropeways. **Please go to section 4.16**

Boom-type elevating work platforms. **Please go to section 4.17**

Amusement devices covered by section 2.1 of AS 3533.1: 2009 Amusement rides and devices – design and construction, except: class 1 devices, playground devices, water slides where water facilitates patrons slide easily (predominantly under gravity) along a static structure, wave generators where patrons do not come into contact with the parts of machinery used for generating water waves, inflatable devices that are not continuously blown or inflatable devices with platforms less than three metres in height. **Please go to section 4.18**

SECTION 4.1 ADDITIONAL INFORMATION FOR PRESSURE VESSELS

If there are more than two chambers, please provide details for additional chambers on a separate sheet and write the total number of chambers here.

CHAMBER 1 (HIGHEST HAZARD LEVEL CHAMBER)

Pressure vessel hazard level according to AS 4343 (mark one box only).

A B C D

Volume (L)

Design gauge pressure (minimum and maximum)

kPa

Design temperature (minimum and maximum)

°C

Fluid type (mark one box only)

Lethal Very harmful
Harmful Non-harmful

Phase (refer to AS 4343 – 2005, Table 1, Note 3(c) or AS 4343–2014, 2.2.4 (c)) (mark one box only)

Liquid Gas

TYPE OF VESSEL (mark one box only)**Pressure Vessel**

Air receiver
Auxiliary vessel
Water heater
Process vessel
Static storage (corrosive)
Vacuum vessel
Other (please describe)

Buried or mounted vessel
Vessel (other than steam-heated) with quick actuating closures
Refrigeration and air-conditioning vessel
Static storage (non-corrosive)
Static storage low temperature (less than -10°C)
Fixed heater or convection bank

Steam vessel

Steam jacketed vessel Steam vessel with quick actuating closures De-aerator
Other (please describe)

Miscellaneous vessel

Air receiver Process vessel (including corrosive) Vacuum vessel
Auxiliary vessel Refrigeration and air-conditioning vessel Vessel (other than steam-heated) with quick actuating closures
Buried or mounded vessel Static low temperature (<-10°C) Water heater
Fire heaters/convection bank Static storage (corrosive) Other (please describe)
Heated vessel (other than steam) with quick actuating closure Static storage (non-corrosive)

CHAMBER 2

Pressure vessel hazard level according to AS 4343 (mark one box only).

A B C D E

Volume (L)

Design gauge pressure (minimum and maximum)

kPa

Design temperature (minimum and maximum)

°C

Fluid type (mark one box only)

Lethal Very harmful
Harmful Non-harmful

Phase (refer to AS 4343 – 2005, Table 1, Note 3(c) or AS 4343–2014, 2.2.4 (c)) (mark one box only)

Liquid Gas

kPa

°C

Transportable pressure vessel

Bulk (LPG, ammonia) quenched and tempered steel construction

Bulk (LPG, ammonia) carbon steel construction

Low temperature (< -10°C)

Powder discharge – aluminium construction

Powder discharge – carbon steel construction

Other (please describe)

Please go to section 5.

SECTION 4.2 ADDITIONAL INFORMATION FOR BOILERS**Boiler hazard level according to AS 4343 (mark one box only)**

A B C D

Volume (L)

Design temperature (°C)

Design pressure (kPa)

Output

kW

MW

Type of boiler (mark one box only)

Water tube Fire tube Electric

Other (please describe)

Boiler product

Other (please describe)

Steam Hot water

Please go to section 5.

SECTION 4.3 ADDITIONAL INFORMATION FOR GAS CYLINDER**Material type (mark one box only)**

Steel Aluminium

Other (please describe)

Construction type (mark one box only)

Welded Seamless Wrapped

Volume (L)

Design pressure (if applicable)

kPa

MPa

Test pressure

kPa

MPa

Contents (mark one box only)

Permanent Medical gases and mixtures HP liquefied gases LP liquefied gases

Please go to section 5.

SECTION 4.4 ADDITIONAL INFORMATION FOR LIFT

Maximum travel (m)

Maximum speed (m/s)

Maximum rated load (kg)

Machine - Room - Less lift (MRL)

Control type (mark one box only)

Automatic

Non-automatic

Drive and suspension types (mark one box only)

Electric/Traction

Electric/Rack and pinion

Pneumatic

Hydraulic/Chain suspended

Electric/Screw

Hydraulic/Direct acting

Electric/Drum

Other (please describe)

Details of the car

Maximum length (m)

Maximum number persons

Maximum width (m)

Maximum floor area (m²)

Maximum height (m)

Maximum number of openings in the car

Carriage type (mark one box only)

Car

Chair

Platform

Lift motor control type (mark one box only)

Single speed AC

Variable voltage AC

Two speed AC

Variable voltage DC – motor generator

Variable frequency

Variable voltage DC – static

Other (please describe)

Type of lift (mark one box only)

Goods

Private residency

Goods/passenger

Restricted use – person with limited mobility

Inclined

Service

Low rise platform for passengers

Stairway

Other (please describe)

Please go to section 5.

SECTION 4.5 ADDITIONAL INFORMATION FOR ESCALATOR OR MOVING WALK

Escalator	Moving walk		
Maximum travel (m)	Maximum width (m)	Maximum speed (m/s)	
Maximum angle of incline (degrees)	Maximum number passengers per hour		

Please go to section 5.

SECTION 4.6 ADDITIONAL INFORMATION FOR TOWER CRANE**Type (mark one box only)**

Luffing	No luffing	Self erector	
Maximum rated capacity (t)	Maximum radius (m)	Maximum height (m)	

SECTION 4.7 ADDITIONAL INFORMATION FOR GANTRY CRANE WITH SWL GREATER THAN FIVE TONNES OR BRIDGE CRANE WITH SWL GREATER THAN 10 TONNES OR ANY GANTRY CRANE OR BRIDGE CRANE DESIGNED TO HANDLE MOLTEN METAL OR SCHEDULE 11 HAZARDOUS CHEMICALS**Mark one box only**

Gantry Crane with SWL greater than five tonnes	
Bridge Crane with SWL greater than 10 tonnes	
Gantry Crane designed to handle molten metal or Schedule 11 hazardous chemicals	
Bridge Crane designed to handle molten metal or Schedule 11 hazardous chemicals	
Maximum span of bridge (m)	Maximum height of bridge above ground (m)

Control type (mark one box only)

Cabin	Pendant	Wireless	
Number of hoists	Main hoist capacity (t)		
Main hoisting speed (m/s)	2nd Hoist capacity (if different, place smaller capacity here)		

Please go to section 5.

SECTION 4.8 ADDITIONAL INFORMATION FOR MOBILE CRANE

Maximum rated capacity (t)	Maximum radius (m)
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Mark one box only

Slewing	Non-slewing
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Boom type (mark one box only)

Hydraulic extension	Pin-jib (lattice)
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Type of luffing (mark one box only)

Hydraulic	Winch
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Travel mode (mark one box only)

Crawler track	Wheel (excluding VLC)
Other (including VLC)	

Please go to section 5.

SECTION 4.9 ADDITIONAL INFORMATION FOR HOIST WITH A PLATFORM MOVEMENT EXCEEDING 2.4 METRES DESIGNED TO LIFT PEOPLE

Maximum free standing height (m)

Maximum rated capacity (t)

Maximum travel (m)

Maximum hoisting speed (m/s)

Please go to section 5.

SECTION 4.10 ADDITIONAL INFORMATION FOR VEHICLE HOISTS

Maximum rated capacity (kg)

Maximum travel (m)

Maximum hoisting speed (m/s)

Please go to section 5.

SECTION 4.11 ADDITIONAL INFORMATION FOR MAST CLIMBING WORK PLATFORMS

Maximum rated capacity (kg)

Maximum working height (m)

Maximum free standing height (m)

Mast type (mark one box only)

Single

Double

Type of base (mark one box only)

Fixed

Trailer mounted

Other (please describe)

Maximum wind velocity in service (m/s)

Maximum vertical travel speed (m/s)

Please go to section 5.

SECTION 4.12 ADDITIONAL INFORMATION FOR BUILDING MAINTENANCE UNIT

Type of unit from AS 1418.13, even if designed to another standard (mark one box only)

A

B

C

Maximum rated capacity (kg)

Maximum working height (m)

Hoist motor location (mark one box only)

Platform

Roof

Please go to section 5.

SECTION 4.13 ADDITIONAL INFORMATION FOR WORK BOXES DESIGNED TO BE SUSPENDED FROM CRANES

Maximum rated capacity (kg)

Maximum number of people permitted

Height of box (m)

Length of box (m)

Width of box (m)

Tare mass (kg)

Please go to section 5.

SECTION 4.14 ADDITIONAL INFORMATION FOR CONCRETE PLACING BOOMS

Maximum boom length (m)

Maximum delivery rate (m³/hr)

Truck mounted Fixed

Please go to section 5.

SECTION 4.15 ADDITIONAL INFORMATION FOR PREFABRICATED SCAFFOLDING**Type (mark one box only)**

Modular Tower – frame Frame type

Design duty loading according to AS 1576 (mark one box only)

Heavy (H) Medium (M) Light (L) Special

Maximum working height
(which can be erected) (m)Maximum number of planked platforms at the maximum
working height

Maximum number of planked platforms that can be loaded at the same time at the maximum working height for:

Heavy Medium Light

Provide a number for all three types and write '0' if not applicable.

Please go to section 5.

SECTION 4.16 ADDITIONAL INFORMATION FOR PASSENGER ROPEWAYS**Type of passenger support (mark one box only)**

Cabin/chair lift Rope tow

Number of supports or units

Number of compression tension towers

Maximum number of persons

Maximum height (m)

Number of persons per support

Number of towers

Travel distance (m)

Number of load/unload facilities

Please go to section 5.

SECTION 4.17 ADDITIONAL INFORMATION FOR BOOM TYPE ELEVATING WORK PLATFORMS**Type (mark one box only)**

Truck-mounted Self-propelled Trailer-mounted
 Other (please describe)

Propulsion type (mark one box only)

Self-propelled Pedestrian controlled Manually operated

Maximum rated capacity (kg)

Maximum radius (m) (from inner edge of work platform to axis of rotation)

Indoor Outdoor

Maximum rated wind velocity for outdoor use (m/s)

Maximum chassis inclination (degrees)

Non-insulated Insulated

If insulated provide the insulation rating (kv)

Maximum platform height (m)

Please go to section 5.

SECTION 4.18 ADDITIONAL INFORMATION FOR AMUSEMENT DEVICES COVERED BY SECTION 2.1 OF AS 3533.1: 2009

Except: class 1 devices, playground devices, water slides where water facilitates patrons slide easily (predominantly under gravity) along a static structure, wave generators where patrons do not come into contact with the parts of machinery used for generating water waves, inflatable devices that are not continuously blown or inflatable devices with platforms less than three metres in height.

Class of device in accordance with AS 3533 Part 1 (mark one box only)

2 3 4 5

Type (mark one box only)

Inflatable Powered Other (please describe)

Type (mark one box only)

Fixed Mobile Other (please describe)

Name or description of amusement device

Section 4.18 continued over...

Type of passenger support (mark one box only)

Cabin

Seat

Standing platform

Suspended

Slide

Number of supports or units

Maximum speed of patrons (m/s)

Maximum number of persons

Maximum acceleration (g) (force)

Minimum age years (if applicable)

Maximum revolving speed (rpm) (if applicable)

Minimum height (cm) (if applicable)

Maximum height attained by patrons (m)

Operating power

Battery

Electric

Electric – hydraulic

Petrol

Diesel

Other (please describe)

Is a pressure vessel used with the device?

Yes

No

If yes, does AS 3788 require it to have periodic internal inspections?

Yes

No

Please go to section 5.

SECTION 5. DESIGNER'S STATEMENT

Plant type

Drawing title

Drawing number (mandatory)

Revision number

Detail of technical standards used in the design (full title including the number and year)

The design does not fully comply with the technical standards listed above and I have used engineering principles for the design aspects that do not comply with the listed standards, as listed in an attachment to this application.

SECTION 5.1 DESIGNER'S DECLARATION

I (print full name),

have complied with the designer's obligations under section 22 of the WHS Act in respect to the design of the plant.

Designer's signature

Date (DD/MM/YYYY)

It is an offence under the *Crimes Act 1900* (Crimes Act) and section 268 of the *Work Health and Safety Act 2011* to make a false or misleading statement in the form, heavy penalties apply. Please go to section 6.

SECTION 6. DESIGN VERIFIER'S STATEMENT

Plant type

Drawing title

Drawing number (mandatory)

Revision number

SECTION 6.1 DESIGN VERIFIER'S DETAILS

Title Family/Surname

Daytime contact number

Given name

Mobile number

Other names

Email

SECTION 6.2 DESIGN VERIFIER'S ADDRESS

STREET ADDRESS (MUST NOT BE A PO BOX)

Unit number/Street number/Property number
(include Lot or DP number if applicable)

POSTAL ADDRESS Same as street address

Unit number/Street number/Property number
(include Lot or DP/PO Box/GPO Box/Private Bag/Locked Bag)

Street name

Street name

Suburb

Suburb

State

Postcode

State

Postcode

Country (if other than Australia)

Country (if other than Australia)

Relevant qualifications

SECTION 6.3 DETAILS OF THE DESIGN VERIFIER'S EMPLOYER

Registered name

Registered business (trading) name (if applicable)

ABN

DESIGN VERIFIER'S EMPLOYER ADDRESS

Suburb

Same as street address of design verifier
Unit number/Street number/Property number
(include Lot or DP number if applicable)

State

Postcode

Street name

Country (if other than Australia)

SECTION 6.4 DESIGN VERIFIER'S DECLARATION

I (print full name),

declare that the design was produced in accordance with the published technical standards or engineering principles specified in the designer's statement/submitted with the application and I am eligible to verify this design under the provisions of Division 3, Registration process for plant designs of part 5.3 of the WHS Regulation.

I was not involved in the production of the design.

Design verifier's signature

Date (DD/MM/YYYY)

It is an offence under the *Crimes Act 1900* (Crimes Act) and section 268 of the WHS Act to make a false or misleading statement in the form, heavy penalties apply. Please go to section 7.

SECTION 7. APPLICANT'S DECLARATION

I (print full name),

declare that:

- the information in this application is true and correct to the best of my knowledge
- I consent to the Regulator making enquiries and exchanging information with work health and safety regulators in other states, territories, or the Commonwealth or NSW Department of Industry Skills and Regional Development regarding any matter relevant to this application
- the design is not registered with another state or territory or the Commonwealth work health and safety regulator.

Applicant's signature

Date (DD/MM/YYYY)

Please go to section 8.

SECTION 8. LODGEMENT FEES

A fee must be paid on lodgement of the application form.

Refer to the [SafeWork NSW fees schedule](http://www.safework.nsw.gov.au) available at www.safework.nsw.gov.au.

Pay by credit card or PayPal using the following link:

www.safework.nsw.gov.au/applicationpayments

STEP 1 – Click on the link or type the URL into your web browser

STEP 2 – Follow the instructions online to complete payment

STEP 3 – When the lodgement fee is paid online you will receive a receipt number. Please record the receipt number below before lodging the application; not providing this information may result in delays in processing your application.

Receipt number

Note: If you are having difficulty lodging this payment online, please contact SafeWork NSW on 13 10 50.

SECTION 9. CHECKLIST TO SUBMIT YOUR APPLICATION

Representational drawing(s) of the plant design has been submitted with the application. The drawing must be in the English language and is capable of being electronically stored.

Please ensure the quoted drawing number and the model number are identical to those on the representational drawing.

If engineering principles were used in the design, details of these principles have been submitted with this application.

All parts of section 2 have been completed.

Fee as per the fees schedule must be submitted with the application.

Privacy compliance statement

SafeWork NSW, Department of Customer Service gives priority to protecting the privacy of your personal information. We do this by handling personal information in a responsible manner and in accordance with the *Privacy and Personal Information Protection Act 1998* (PPIP Act). Service NSW acts as a shopfront for us and performs transactions for you, on our behalf.

The personal information contained in your application is collected and held by SafeWork NSW and Service NSW will collect and hold personal information on our behalf as part of the application process.

We are collecting your personal information for the following purposes:

1. For determining an application to register the design of an item of a plant or to register an alteration(s) to a design of an item of a plant in accordance with the *Work Health and Safety Act (2011)* and ss 250 and 266 of Work Health and Safety Regulation 2017.
2. Internal administrative purposes, including liaising with you in relation to your application.
3. We may use the information to support more informed policy making, program management, evaluation, research and service planning as it can facilitate more efficient service delivery for residents and business in NSW.

The consequence of not providing it is that your application may not be able to be determined. We may use the personal information contained in your application to confirm your details if you make any subsequent applications in relation to any licence or authority issued by SafeWork NSW. We may also use it to administer/update our customer database including to send you information that we consider important such as reminders to renew licences.

We will store and manage your personal information in accordance with provisions under the PPIP Act.

If required, we may make enquiries and exchange information with other NSW government agencies (including the NSW Police Force), or other States, Territories and/or the Commonwealth for the purpose of assessing your application and for compliance purposes. We may disclose your personal information for these purposes.

We will not disclose your personal information to anybody else unless you have given consent, or we are authorised or permitted to do so by law. Our [Privacy Statement](#)¹ describes when this may occur. You can find this information and our [Privacy Management Plan](#)² on our website.

1. <https://www.safework.nsw.gov.au/about-us/privacy/2016-privacy-documents/safework-nsw-privacy-statement>

2. <https://www.safework.nsw.gov.au/about-us/privacy/2016-privacy-documents/safework-privacy-management-plan>

Please see <https://www.safework.nsw.gov.au/about-us/privacy> for more information about how we handle your personal information, how you can request access to or correct the personal information we hold about you (if the information is inaccurate, incomplete, not relevant or out of date) and who to contact if you have a privacy enquiry or complaint, or email brdprivacy@customerservice.nsw.gov.au.

For more information about how Service NSW handles personal information please visit www.service.nsw.gov.au/privacy