

WORKSAFE VICTORIA

REGISTRATION OF PLANT DESIGN

June 2007

Office use
only checklist
(please circle)

Please refer to General Information and Instructions at the end of this form for guidance on completing and submitting your registration.

1. Design of Plant to be Registered (Tick one box only)

- | | | |
|--|--|--|
| <input type="checkbox"/> Pressure Equipment (pressure vessels and boilers) categorised as Hazard Level A, B, C, D (see note 1) | <input type="checkbox"/> Hoist with platform movement in excess of 2.4 metres and designed to lift people. | <input type="checkbox"/> Boom-type Elevating Work Platform |
| <input type="checkbox"/> Tower Crane | <input type="checkbox"/> Suspended work box | <input type="checkbox"/> Bridge Crane/Gantry Crane (see note 3) |
| <input type="checkbox"/> Lift/Escalator/Moving Walk | <input type="checkbox"/> Amusements Structures (other than Class 1) (see note 2) | <input type="checkbox"/> Vehicle Hoist |
| <input type="checkbox"/> Building Maintenance Unit | <input type="checkbox"/> Prefabricated Scaffolding | <input type="checkbox"/> Mast Climbing Platform |
| | | <input type="checkbox"/> Mobile Crane with a SWL greater than 10 tonne |

Plant type?
Y N

Notes

1. Hazard levels of boilers or pressure vessels can be determined by referencing Australian Standard AS 4343.
2. Only powered Amusement Structures, to which AS 3533 – Amusement Rides & Device applies, other than Class 1 structures, require Registration of Plant Design.
3. Only Gantry Cranes with a SWL greater than 5 tonnes, Bridge Cranes with a SWL greater than 10 tonnes and any gantry/bridge crane which is designed to carry molten metal or dangerous goods, require Registration of Plant Design.

2. Register's Details

Full Legal Name of Organisation		Register details complete? Y N
<input style="width: 100%;" type="text"/>		
Trading As		Details verified to ID? Y N
<input style="width: 100%;" type="text"/>		
Registered Address	Postcode	ID Ref.
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
Postal Address	Postcode	Trim No.
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
Principal Business Address	Postcode	
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
Contact Person Name	Telephone	
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
Facsimile	Email	
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	

3. Designer of Plant

Name

Employed by

Postal Address Postcode

Telephone Facsimile Mobile

Email

List Titles and Numbers of any Published Technical Standards used in the Design

List of Engineering Principles used in the Design (if applicable)

Designer details complete?
Y N

Engineering principles?
Y N

4. Design Verifier's Statement (Design verifier must not have participated in the design)

Name

Qualifications

Employed by

Postal Address Postcode

Telephone Facsimile Mobile

Email

I, hereby verify that the design portrayed on this registration has been produced in accordance with the record of published technical standards and/or engineering principles recorded by the designer.

Signature Date / /

Print Name

Verifier details complete?
Y N

NOTE: The Code of Practice for Plant states that Design Verifiers should have acquired, through academic qualifications or design experience, the knowledge and skills to independently verify the tasks performed by the designer.

5. Attached Representational Drawings

All drawings submitted must be in the English language:

Title of Drawing	Drawing Number	Revision Number
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Drawings?
Y N

NOTE: 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".

6. Proposed Location of Plant (if known)

Owner

Address Postcode

Location?
Y N

7. Company/Person Responsible for Importing Plant into Victoria

Name

Telephone Facsimile Mobile

Address Postcode

Email

Import company?
Y N

Must be completed if Designer and Design Verifier are located overseas

8. Plant Identification and Technical Details (complete the relevant section for the plant type applicable to this Registration)

8a. Pressure Equipment – Boiler

This refers to a vessel or an arrangement of vessels and interconnecting parts, wherein steam or other vapour is generated, or 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.

Manufacturer Model Number

Type (Tick one)

Water Tube BWT Coil Type Steam Generator BSG

Fire Tube BFT Vertical Tubeless BVT

Electric BEL Other (specify)

Technical Details

Boiler Output MW Design Pressure MPa

Volume (Litres) Design Temp. Deg. C

Boiler Firing Medium (specify)

What does the boiler produce? Steam Hot Water → 100°C Other (specify)

Attendance Category of boiler Fully Attended Unattended/Limited Attendance to AS 2593 No Attendance Required

BOILER HAZARD LEVEL AS PER AS 4343 A B C D

Relevant details for plant type completed?
Y N

Boiler make?
Y N

Boiler type?
Y N

Firing medium?
Y N

Technical details?
Y N

Hazard level?
Y N

Attendance category?
Y N

8b. Pressure Equipment – Pressure Vessel

This refers to 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.

Name of Vessel Manufacturer of Vessel

Model Number/Identification Number

Steam Vessel (Tick one)

Steam Jacketed Vessel PEJ De-aerator PED Steam Vessel with quick actuating closure PEQ

Other Steam Vessel PEO (specify)

Miscellaneous Vessel (Tick one)

Air Receiver PAR Process Vessel (including heat exchangers) PEP

Auxiliary Vessel PEA Static Storage (non-corrosive) PSN

Static Storage (corrosive) PSC Vacuum Vessel VAC

Buried or Mounded Vessel PEB Water Heaters PWH

Fire Heaters/Convection Bank PFH Static Low Temperature Vessel PSL

Vessel type?
Y N

Technical details?
Y N

Vessel contents?
Y N

8b. Pressure Equipment – Pressure Vessel (continued)

- Refrigeration & Air Conditioning Vessel PRA Heated Vessel (other than steam) with quick acting closure PHQ
 Transportable Pressure Vessel (Tick one) Powder Discharge – Carbon Steel Construction PDC
 Bulk (LPG, ammonia) – Quenched & Tempered Construction PTQ Powder Discharge – Aluminium Construction PDA
 Bulk (LPG, ammonia) – Carbon Steel Construction PTC Gas Cylinders per AS 2030 – PVG
 Low Temperature PTL Other (specify) PTO

Hazard category?
Y N

Hazard level?
Y N

Technical details

- Design Pressure (Max/Min) MPa Volume (litres) Design Temp (Max/Min) °C
 For dual pressure, volume or temperature vessels, eg heat exchangers, jacketed vessels etc, provide second set of values
 Design Pressure (Max/Min) MPa Volume (litres) Design Temp (Max/Min) °C
 Vessel Content(s) Gas/Liquid
 Vessel Contents Hazard Category (tick one) Lethal Very Harmful Harmful Non Harmful
 PRESSURE VESSEL HAZARD LEVEL AS PER AS 4343 A B C D

8c. Tower Crane

This refers to a boom or jib crane mounted on a tower structure.

- Manufacturer of Crane
 Model Number/Identification Number
 Type (Tick one) Non Luffing Luffing
 If Luffing type, how is the crane luffed? Winch Hydraulic Cylinder

Crane maker?
Y N

Model number?
Y N

Crane type?
Y N

Technical details?
Y N

Technical details

- Max. SWL t Max. Boom Length m Max. Radius m Max. Free Standing Height m
 Miscellaneous Self Erecting Type Concrete Base Steel Grillage
 Rail Mounted Internal Climber

8d. Lift/Escalator/Moving Walk

This refers to permanent plant or plant intended to be permanently installed in or attached to a building or 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.

- Manufacturer of Lift
 Model Number/Identification Number

Lift maker?
Y N

Lift type?
Y N

Type (Tick one)

- Passenger Goods
 Escalator LES Electric LPE
 Stairway LSW Hydraulic LPH
 Special Purpose (Industrial) LSP Service LSL
 Limited Mobility LMB Moving Walk LMW
 Water LWW Inclined LIC

Technical details

- Max SWL/Rated Load kg No of Passengers Speed of Lift (m/s)
 Number of Floors Served
 Size of Car Length m Width m Height m Floor area m²
 Lift Motor Control Single Speed AC Two Speed AC Variable Voltage AC
 Variable Frequency Variable Voltage DC-Static Variable Voltage DC-Motor Generator
 Other

Technical details?
Y N

8e. Building Maintenance Unit

This refers to a power operated appliance with a suspended platform, permanently installed or intended to be permanently installed on a building and specifically designed to provide access to the facade of the building, for persons working from the platform.

Manufacturer of Unit

Model Number/Identification Number

Technical details

Max. SWL kg Number of Floors Serviced

Size of Platform Length m Width m Height of box m

Hoist Motor Location Platform Roof Hoist Power Source

BMU maker?
Y N

Technical details?
Y N

8f. Hoist

This refers to an appliance intended for raising or lowering people with a platform movement in excess of 2.4 metres.

Manufacturer of Hoist

Model Number/Identification Number

Type (Tick one)

Scissor Lift

Scaffolding Hoist

Serial Hoist

Aerial Platform

Personnel & Materials Hoist

Other (specify)

Technical details

Max. SWL kg Max. Working Height m Max. Free Standing Height m

Power Source

Hoist maker?
Y N

Model number?
Y N

Hoist type?
Y N

Technical details?
Y N

8g. Suspended Work Box

This refers to a personnel carrying device, designed to be suspended from a crane (does not include a Forklift Truck Work Platform).

Manufacturer of Work box

Model Number/Identification Number

Technical details

Max. SWL kg Suspension System

Size of Work Box Length m Width m Height m

Work box maker?
Y N

Technical details?
Y N

8h. Amusement Structure

This refers to powered equipment operated for hire or reward which provides entertainment or amusement through movement of the equipment, or part of the equipment, or when passengers travel on, around or along the equipment.

Manufacturer of Structure

Model Number

Type (Tick one)

Fixed Structure ASF

Mobile Structure ASM

Class According to AS 3533

Technical details

Power Source

Type of Structure (eg Ferris Wheel, Roller Coaster, Chair Lift etc)

Name of Amusement Ride

Structure maker?
Y N

Structure type?
Y N

Technical details?
Y N

8i. Prefabricated Scaffolding

This refers to an intergrated system of prefabricated components manufactured in such a way that the possible geometry of assembled scaffolds is pre-determined by the designer.

Manufacturer of Prefabricated Scaffolding

Model Number/Identification Number

Modular Type SPM Tower Frame Type SPT Frame Type SPF

Description of Design (including duty live loads, height etc)

Prefabricated scaffolding maker?
Y N

Scaffold type?
Y N

Scaffold description?
Y N

8j. Boom Type Elevating Work Platform

This refers to a telescoping device, hinged device, or articulated device or combination of those devices used to support, elevate and position personnel, equipment or materials by means of a platform.

Manufacturer of Platform

Model Number/Identification Number

Type (Tick one) Vehicle Mounted Self Propelled

Technical details

Propulsion Type Self Propelled Pedestrian Controlled Manually Propelled

Max. SWL kg Max. Working Height (to bottom of basket) m Max. Radius m

Boom Type Hydraulic Extension Knuckle Boom

Platform maker?
Y N

Model number?
Y N

Platform type?
Y N

Technical details?
Y N

8k. Gantry Crane/Bridge Crane

"Gantry Crane" refers to a crane which consists of a bridge beam or beams, which are supported at one or both ends by legs mounted to end carriages, and it capable of travelling along runways, and has one or more hoisting mechanisms.

"Bridge Crane" refers to a crane comprising a bridge or beam or beams, mounted at each end, to end carriages, capable of travelling along elevated runways, and having one or more hoisting mechanisms.

Manufacturer of Crane

Model Number/Identification Number

Type (Tick one)

- Gantry Crane with SWL Greater than 5 Tonnes CGY
- Bridge Crane with SWL Greater than 10 Tonnes CBG
- Gantry Crane or Bridge Crane handling Molten Metal CMM
- Gantry Crane or Bridge Crane handling Dangerous Goods CDG

Technical details

Max. SWL t Number of Hoists Hoist Capacities t t

Max. Height of Bridge above Ground m Max Span of Bridge m

Control Type Cabin Pendant/Radio

Crane maker?
Y N

Crane type?
Y N

Technical details?
Y N

8l. Vehicle Hoist

This refers to a hoist which is permanently installed or intended to be permanently installed in a workplace or equipment site to elevate a vehicle to allow work to be carried out on the vehicle.

Manufacturer of Hoist

Model Number/Identification Number

Type (Tick one) 1 Post 2 Post 4 Post etc

Technical details

Max. SWL kg Max. Working Height m

Hoist maker?
Y N

Model number?
Y N

Hoist type?
Y N

Technical details?
Y N

8m. Mast Climbing Work Platform

This refers to a plant with a working platform used to support and elevate personnel, equipment and materials by means of a drive system which moves along an extendable mast.

Manufacturer of Platform

Model Number/Identification Number

Mast Type Single or Double

Type of Base Fixed or Trailer Mounted Other

Technical details

Max. SWL kg Max. Working Height m Max. Free Standing Height m

Hoist maker?
Y N

Mask type?
Y N

Technical details?
Y N

8n. Mobile Crane

This refers to a crane capable of travelling over a supporting surface without the need for fixed runways (includes Vehicle Loading Cranes).

Manufacturer of Crane

Model Number/Identification Number

Type (Tick one) Truck CMT Tractor CMR Crawler CMC

Technical details

Boom Type Fixed Length Hydraulic Extension Lattice

Slewing/Non Slewing Luff Type Hydraulic Cylinder Winch Non Luffing

Max. SWL t Max. Boom Length m Max. Radius m

Hoist maker?
Y N

Model number?
Y N

Hoist type?
Y N

Technical details?
Y N

9. Recognition of Design Registration by WorkCover New South Wales

If you want the recognition of plant design by WorkCover NSW please tick this box and supply information that confirms the following:

The NSW *Occupational Health and Safety Regulation 2001*, (Clause 107) requires that the designer and 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 9001:1994 that includes design.

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.

10. Declaration

I declare that, to the best of my knowledge, the information provided in this Registration and supporting this Registration is true and correct in every particular. I declare that where I provide personal information to the VWA about any other individual, I am authorised to provide that information, the information has been collected in accordance with the Information Privacy Act 2000 (Vic) and the individual has been or will be made aware of the VWA's identity and how to contact it and of the other matters of which an individual is required to be made aware when personal information is collected about them.

Signature of Notifier

Date

/ /

Witnessed by (signature) - witness must be at least 18 years of age

Print Name

Telephone

Has Declaration signed and dated?
Y N

Witnessed?
Y N

WARNING: The provision of false and misleading information is an offence under the legislation

