



Government of **Western Australia**
Department of **Mines and Petroleum**
Resources Safety

Procedure for registering classified plant on mining operations

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Objective

There are many types of plant at a mine site but there is a particular group, related to a higher operational hazard, referred to as “classified plant”, which has specific regulatory requirements. The Mines Safety and Inspection Regulations 1995 require certain types of classified plant to be registered before being used. With the exception of plant covered under several general exemptions, this requirement applies to plant listed in regulation 6.34(5). The design and functional descriptions of these items of classified plant are given in regulation 6.1. It is these definitions that are ultimately used to determine the name of a particular plant and whether or not it must be registered.

Besides operational and maintenance requirements applicable to all plant at a mine site, there are two requirements in the regulations that are specific for classified plant:

- incidents involving registered classified plant must be reported immediately in writing to Resources Safety; and
- certain types of registered classified plant must not to be used at a mine site unless it has undergone statutory inspection – the time limits for statutory inspections for different classified plant are set out in the regulations.

Additionally, the principal employer and any other employer at a mine site must ensure that all plant is operated and maintained in a safe manner.

This procedure will help those registering classified plant to comply with regulatory requirements.

There is no requirement for a specific form to be used for registration but a pro forma “Application for registration of classified plant – all types” is available from the Resources Safety website in the mining forms section. Following this procedure, which assumes use of the registration pro forma (Appendix 1), will ensure the application process is completed satisfactorily and without unnecessary delay.

Responsibility for registration

As the regulatory authority for Western Australian mining operations, Resources Safety concentrates on the main proponents of new projects or existing mines, rather than dealing with every contractor and subcontractor for each mine in the State. The mines safety legislation is predicated on such a regime, with the prime responsibility for the safety of a mining operation and all its classified plant registration being assigned to:

- the corporate entity “principal employer”, which is the proprietor or lessee of a mine;
- the Registered Manager (i.e. mine or exploration manager); or
- a person authorised by either of these two.

When the applicant to register classified plant is an authorised person, an authorisation letter from either the principal employer or the mine manager must be provided.

Exemptions from registration with Resources Safety

Plant registered with another jurisdiction

Subject to certain conditions, there is a general exemption if classified plant has already been registered with another statutory authority within Australia.

In other words, if you have an approval from another Australian Commonwealth, State or Territory, you are not required to register the plant in Western Australia. However, you should keep a copy of that approval at the mine (e.g. in classified plant book).

Other exemptions

There are also general exemptions covering:

- plant brought onto mines by contractors [sub-regulation 6.34(3)];

- certain itinerant classified plant [sub-regulation 6.34(5)];
- pressure equipment [sub-regulation 6.34(1)]; and
- gas cylinders and pre-fabricated scaffolding [sub-regulation 6.34(1)]

The ownership of classified plant is the main factor upon which the decisions for the first two exemptions are based:

- **General exemption: Registration of plant brought onto site by contractors.** Registration is required when the plant is owned by an employer at the mine or exploration site, including the principal employer. Instead of drawings, calculations and the compliance statement as normally required by the regulations to register the plant, it is sufficient to submit a copy of registration with the other authority.
- **General exemption: Registration of certain itinerant classified plant.** Registration is not required when the plant is not owned by an employer at the mine or exploration site, including the principal employer. These types of plant are categorised as itinerant plant.

Note: General exemptions are available in the legislation and policy section of the Resources Safety website.

Application requirements

The application should contain the information listed below at a level of detail commensurate with the information available at the time of its preparation, and the nature and scale of the classified plant.

The items are listed below in the same order as they appear on the registration pro forma.

Part 1 – Applicant details

Note: The applicant must have the authority to apply for registration. If the applicant is not the principal employer or Registered Manager, then Part 2 must also be completed.

- Details of the applicant including name, company or employer, position, postal address and contact information.

Part 2 – Application authoriser details

Note: To be completed if applicant is not the principal employer or Registered Manager.

- Details of the authoriser including name, company or employer, position, postal address and contact information.
- An authorisation letter from either the principal employer or the mine manager must be provided.

Part 3 – Owner of plant details

- Details of the plant owner's name and contact information.

Part 4 – Plant details

Note: Plant must be an applicable type under regulation 6.34(5). Check Parts 6, 7 and 8 of the pro forma to confirm that registration with Resources Safety is necessary.

- Details of the plant type, make and model and serial number.
- Details of the plant capacity or safe working load (SWL).
- If the plant is itinerant, details regarding the terms of its use.
- If relevant, other details that may assist in the registration assessment process.

Part 5 – Plant location

- Details of the mine including name, location (e.g. direction and distance in kilometres from nearest town) and postal address.
- Details of the location of the plant at the mine.
- For plant owned by an exploration company, where providing a location may be difficult, indicate where the plant is held when not in use (e.g. regional office) or provide head office details.
- If relevant, provide the company's identification details for the plant. This ID may assist with enquiries if Resources Safety requires further information about the plant.

Part 6 – Design code

Note: Plant design must conform to the applicable Australian Standards or Codes as per regulation 6.33.

- Details of the plant type such as boiler (as per Australian Standard AS 1228), pressure vessel (AS 1210), crane or hoist (AS 1418), or lift (AS 1735).
- Any other details that may assist in the registration process, such as compliance with an international standard.

Note: Serially produced pressure vessels are covered by Australian Standard AS 2971 — applicants must verify vessel design compliance with the definition, scope and other requirements of this standard. Serially produced pressure vessels that strictly comply with AS 2971 are not required to be registered with Resources Safety, as per regulation 6.34. However, it is essential that these vessels are operated, maintained and inspected in a safe manner.

Part 7 – Pressure vessels

Note: Not all pressure vessels require registration — check the general exemption relating to sub-regulation 6.34(1).

- Details of the hazard levels. As a general guide, the greater the internal volume, design pressure and more lethal the contents, the higher the hazard level. Hazard level "A" is the highest and "C" is the lowest requiring registration.
- Details of the internal volume and design pressure.
- Details of the actual contents when operating.
- Any other details that may assist in the registration process, such as assessment of the hazard level.

Part 8 – Cranes and hoists

Note: Sub-regulation 6.34(5) defines the types of cranes and hoists that require registration.

- Mark the appropriate box to indicate the type of plant to be registered.
- Any other details that may assist in the registration process, such as the SWL.

Part 9 – Manufacturer's details

- True copies of the manufacturer's data report and test certificate are required to be provided.
- If true copies are not provided, you are required to specify the reason they are not provided.
- Details are required of the manufacturers name, employer and contact details.

Part 10 – Designer details

- Details of the designer including name, employer, address, contact information and design qualifications.

Part 11 – Design verification details

Note: A designer may not verify their own work — verification must be by a person other than the person who prepared the design.

- Details of the design verifier including name, employer, address, contact details and design qualifications.

Part 12 – Detailed drawings

- Indicate whether detailed drawings of the plant have been submitted with the application. If not, explain the omission.

Part 13 – Design calculations

- Indicate whether design calculations for the plant have been submitted with the application. If not, explain the omission.

Pressure vessels – information required

- Design pressure
- Corrosion allowance
- Plate thicknesses and compensating plate details
- Manufacturer's data report
- Hydrostatic test report
- Drawings required:
 - to show plate thicknesses and compensating plate details
 - to show design pressure
 - to be minimum A3 size and legible

Bridge cranes and gantry cranes – information required

- Design loads for bridge beam and runway beams
- Derivation of design loads
- Spans of bridge beam and runway beams
- Design loads for runway beams must ONLY be taken from the bridge beam calculations
- Design of runway corbels
- Design of all connections, including bridge beam to bogies
- Independent review statement for bridge beam and bogies
- Independent review statement for runway beams and supporting structure
- Drawings required:
 - for bridge beam, bogies, runway beams, corbels and connections
 - to be minimum A3 size and legible

Part 14 – Applicant declaration

The person authorised to make the application must provide a signed declaration that the information and documentation provided is true and correct.

- Print the full name of the person submitting the application, and sign and date the document.

Lodging an application

The application to register classified plant should be submitted to:

Resources Safety, Department of Mines and Petroleum

Postal address: 100 Plain Street, EAST PERTH WA 6004

An application cannot be accepted unless it includes all relevant information and documentation.

A reasonable period of time should be allowed for adequate assessment of the application and to obtain approval.

Note: If there is a considerable delay in obtaining the required information or documentation from an applicant, registration may be denied on the basis that the necessary information was not provided.

Application review and recommendation

The regulations only stipulate (classified) plant registration. Unlike some authorities with responsibility for plant safety in Australia, Resources Safety does not register plant designs. This means that each application to register classified plant is assessed separately, even in a case of identical plant at the same mine site.

The application will be reviewed and assessed to see whether:

- it provides satisfactory evidence to comply with Departmental policies and legislative requirements;
- the information and documentation provided is up to date
- the information and calculations cross match; and
- the information is compliant with Australian Standards.

An applicant may be asked to provide further information or documentation so the application conforms to requirements. Any errors in calculations noticed during the assessment will also be brought to the applicant's attention.


In those circumstances where the applicant has not provided the required documentation or discrepancies are found in the documentation or data, the reviewer will contact the applicant and advise what action is required to comply with application for registration requirements. The application will be put on hold awaiting resolution. Alternatively, if there are multiple concerns that call into question the validity of the application, the reviewer may reject the application.

Given that other international standards may safely be used, Resources Safety may grant an exemption from the requirements to design, construct and test according to the Australian Standard.

Such an exemption would normally involve the designer, fabricator, supplier or importer satisfactorily demonstrating that an appropriate standard of safety has been achieved.

An exemption allowing use of the plant would then be issued to the manager of the mine (not the individual designer, fabricator, supplier or importer).

Appendix 1 Registration pro forma [sample only]

 <p>Government of Western Australia Department of Mines and Petroleum Resources Safety</p>	<p>OFFICE USE ONLY</p>	
	<p>Registration no. P</p>	
<p>Date</p>		
<p>Application for registration of classified plant – all types</p> <p>Mines Safety and Inspection Regulations 1995 (MSIR) (r. 6.34)</p>		
<p>Part 1 – Applicant details</p> <p>Applicant must have authority to make application. Refer to Part 2.</p>		
Applicant's name	Company / employer	
Position	Address	
Telephone	Facsimile	
Mobile	Email	
<p>Part 2 – Application authoriser details</p> <p>Specify name and position of person authorising applicant to make the application. It may be the Registered Manager of the mine or a person appointed by the Registered Manager to give authorisation. Application must include copy of relevant authorisation letter.</p>		
Authoriser's name	Company / employer	
Position	Address	
Telephone	Facsimile	
Mobile	Email	
<p>Part 3 – Owner of plant details</p>		
Owner's name	Email	
Address		
Telephone	Mobile	Facsimile
<p>Part 4 – Plant details</p> <p>Plant must be applicable type under r. 6.34(5) of MSIR. Check Parts 6, 7 and 8 of form.</p>		
Type	Make	Model
Serial no.	Capacity / SWL	Other details
If itinerant, specify terms of use at mine		
<p>Part 5 – Plant location</p>		
Name of mine	Location of mine	
Address of mine		
Location of plant at mine	Plant ID	
<p>Part 6 – Design code</p> <p>Plant design must conform to applicable Australian Standard (AS) or Code as per r. 6.33 of MSIR.</p>		
Specify	<input type="checkbox"/> Boiler (AS 1228) <input type="checkbox"/> Pressure vessel AS 1210 <input type="checkbox"/> Crane or hoist AS 1418 <input type="checkbox"/> Lift AS 1735	
Other relevant details		
<p>Part 7 – Pressure equipment (pressure vessels)</p> <p>Refer to general exemption from r. 6.34 of MSIR for types of plant not requiring registration.</p> <p>Specify following:</p>		
Hazard level	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C	Internal volume
		L
		Design pressure
		kPa
Actual contents	Other relevant details	
<p>Part 8 – Cranes and hoists</p> <p>Specify type of plant you are applying to be registered as per r. 6.34(5) of MSIR:</p>		
<input type="checkbox"/> Boom-type elevating work platform <input type="checkbox"/> Bridge crane with SWL > 10 tonne <input type="checkbox"/> Work box suspended from crane <input type="checkbox"/> Powered mast climbing work platform <input type="checkbox"/> Mobile crane with SWL > 10 tonne	<input type="checkbox"/> Gantry crane with SWL > 5 tonne <input type="checkbox"/> Lift <input type="checkbox"/> Powered tower crane <input type="checkbox"/> Gantry/bridge crane to handle molten metal/dangerous goods <input type="checkbox"/> Powered hoist with platform movement > 2.4 m designed to lift people	<input type="checkbox"/> Powered vehicle hoist <input type="checkbox"/> Prefabricated scaffolding <input type="checkbox"/> Building maintenance unit
Other relevant details		
<p>SAMPLE ONLY</p>		
<p>Mineral House, 100 Plain Street, East Perth WA 6004 Telephone: 08 9358 8002 Fax: 08 9358 8000 www.dmp.wa.gov.au</p>		

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Part 9 – Manufacturer details			
Have true copies of the manufacturer's data report and test certificate been submitted with application?			
<input type="checkbox"/> Yes: Complete details below		<input type="checkbox"/> No: Specify reason. <input type="text"/>	
Manufacturer's name		Employer	
Address			
Telephone		Mobile	Facsimile
Email		Qualification	
Part 10 – Designer details			
Designer's name			
		Employer	
Address			
Telephone		Mobile	Facsimile
Email		Qualification	
Part 11 – Design verification details			
If the plant has not already been design approved or registered with another statutory authority within Australia responsible for plant safety, then verification confirming that the design of the plant complies with the applicable Australian Standard must be included in the application. Verification must be by a person other than the person who prepared the design – details of the design verifier must be provided.			
Design verifier's name		Employer	
Address			
Telephone		Mobile	Facsimile
Email		Qualification	
Part 12 – Detailed drawings			
Detailed drawings must be included in the application if the plant has not already been design approved or registered with another statutory authority within Australia responsible for plant safety.			
Have detailed drawings been submitted with application? <input type="checkbox"/> Yes <input type="checkbox"/> No: Specify reason below.			
<input type="text"/>			
<input type="text"/>			
<input type="text"/>			
<input type="text"/>			
Part 13 – Design calculations			
Design calculations must be included in the application if the plant has not already been design approved or registered with another statutory authority within Australia responsible for plant safety.			
Have design calculations been submitted with application? <input type="checkbox"/> Yes <input type="checkbox"/> No: Specify reason below.			
<input type="text"/>			
<input type="text"/>			
<input type="text"/>			
<input type="text"/>			
Part 14 – Declaration of applicant			
I, the undersigned, confirm I am a person authorised by the Registered Manager or the mine where the plant will be used and have prepared and make this application for this item of plant to be registered as classified plant pursuant to the requirements of r. 6.34 of the MSIR. I declare that, to the best of my knowledge and belief, the information contained in this application and submitted documentation is true and correct.			
<input type="text"/>		<input type="text"/>	<input type="text"/>
Print name		Signature	Date
OFFICE USE ONLY			
Application reviewed	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Put on hold awaiting resolution		
Reason for rejection/put on hold	<input type="checkbox"/> Required documentation not provided <input type="checkbox"/> Discrepancies found in application		
Action required	<input type="text"/>		
Application reviewed by			
Name		Position	
Signature		Date	
<h1>SAMPLE ONLY</h1>			
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