



Government of **Western Australia**
Department of **Mines, Industry Regulation and Safety**

Application to register a dangerous goods pipeline

Dangerous Goods Safety Act 2004

Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007

ABN:69 410 335 356

Applying for a licence

Under Regulation 88(1) of the Dangerous Goods Safety (Storage and Handling on Non-explosives) Regulations 2007 (Regulations), a person must not operate a dangerous goods pipeline to transfer dangerous goods unless the pipeline is registered.

A pipeline *does not* have to be registered if:

- it is on, and does not leave a licensed dangerous goods site; or
- has an internal diameter of less than 60 mm

The pipeline registration application consists of:

- the completed application
- a written report
- geographical information on the pipelines (plan and data)

The pipeline registration is valid for five years.

Fees: There are no fees associated with the lodgement of this application

Written report

Under Regulation 89(2), an application to register a dangerous goods pipeline must be in an approved form and be accompanied by a written report. The written report must demonstrate the dangerous goods pipeline can be operated with minimal risk to people, property and the environment and in accordance with Dangerous goods pipelines (Part 5 of the Regulations).

The report is reviewed by the Department as part of the registration process. There must be sufficient information to demonstrate that each risk control item has been considered and actions or procedures are implemented (refer to template in Section C). Use of the template is not mandatory, but will ensure consistency and streamline the review process.

In addition to procedures required for the written report, procedures that address the requirements of Part 6 of the regulations to deal with dangerous goods incident response, providing incident response advice to persons on adjacent sites, incident investigation and incident reporting in relation to the pipeline are also required.

It is not necessary to submit full written procedures with the application. A Dangerous Goods Officer may request copies of procedures at a later time if required (e.g. for validation or during a pipeline audit).

A written report is *not* required under sub regulation (2)(b) if the application relates to a dangerous goods pipeline that is wholly within a major hazard facility for which there is an approved safety report under the Dangerous Goods Safety (Major Hazard Facilities) Regulations 2007.

Where there are multiple pipelines at a site, operated by the same person, one written report can be used, provided sufficient information is given to readily identify all of the pipelines registered.

Location plan

Requirements

As part of the registration process, applicants must supply a plan of the pipeline or pipelines to be registered showing:

- centreline of the pipeline or pipelines to be registered
- location of all major valves (e.g. relief valves, isolation valves or mainline valves) – the type and identifier associated with the valve should be included
- points of intersection with other pipelines – the identifier for each pipeline should be included, preferably indicating registration status (i.e. pending or existing)
- pipeline profiles and levels (i.e. places where pipeline goes underground or returns to surface, depths or heights below or above ground level)
- pipeline access routes, including terrain description (e.g. if route passes through water)
- sufficient reference information to easily locate the pipeline (e.g. property boundaries, road names, suburb or locality names, petroleum titles, mining tenements, dangerous goods site licence numbers).

In addition, the following information should be included on the plan:

- north arrow
- scale bar
- map scale
- horizontal and vertical datum (e.g. GDA94, AHD)
- projection information with MGA zone clearly indicated
- grid
- date of plan
- legend.

Coordinate system

Plans should use the Geocentric Datum of Australia 1994 (GDA94) as the horizontal datum and the Australian Height Datum (AHD) as the vertical datum.

Plans should be projected to the appropriate Map Grid of Australia 1994 (MGA94) zone. Local or mine grids should not be used.

Accuracy

All depicted locations of pipelines should be accurate to within 5 metres.

Output format

Plans should be in hardcopy and softcopy. In the case of softcopy, A PDF digital format is preferred.

Printed plans should ideally be A4 or A3 size, but larger sized plans are acceptable to ensure clarity when depicting long or complex pipeline systems. Hardcopies should be of high quality (i.e. not facsimile or photocopies) and are to be printed at the size they were drafted (i.e. do not shrink an A0 plan to A4).

Submission of as-built plans and data

When a pipeline is surveyed after construction, as-built plans and data (same requirements as above) should be submitted to the Department.

Geographic information system (GIS) data

In addition to the plan, a geo-referenced digital vector dataset of the pipelines (lines) and valves (points) should be submitted. The preferred format is ESRI shape file. AutoCAD dxf, MicroStation dgn and MapInfo tab, mid or mif formats are also accepted. In the case of DXF or dgn files, all cells or blocks should be exploded or dropped.

Where possible, pipelines should be attributed, tagged or symbolised with the type of material they carry, and valves should be attributed, tagged or symbolised according to their type.

For further information on GIS or CAD specifications, please contact the GIS Analyst on (08) 9222 3168 or rsdspatial@dmirs.wa.gov.au



Government of **Western Australia**
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Application no. (office use only)

Application to register a dangerous goods pipeline

Dangerous Goods Safety Act 2004

Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007

ABN:69 410 335 356

The owner of a dangerous goods pipeline is required to register a dangerous goods pipeline.

A pipeline is not required to be registered if it is on, and does not leave a licensed dangerous goods site or has an internal diameter of less than 60 mm.

A person must not operate a dangerous goods pipeline unless it has been registered.

Section A Applicant details

1. Application type (you must tick one of the boxes)

New registration Amendments to an existing application Transfer of a registration

Indicate a registration number

2. Application details

Please tick one of the following boxes and complete the relevant section below:

Body corporate Partnership Trust Individual

Proof of entity documents are required to be lodged with the application.

Full legal name (as shown on the proof of entity document)

ABN and/or ACN

Registered business (trading name) (if different to the legal name)

Contact details

Business street address (mandatory)

Unit no. Street no. Lot no. Street Type

Town/suburb State Postcode

Phone Email

Section B Pipeline details

3. Pipeline details

Point of origin (and DGS licence number)	
Destination point (and DGS licence number)	
Locality of pipeline	
Postcode	
Description (use/function)	
Length of pipeline (m or km)	
Normal operating pressure (kPa)	
Maximum allowable operating pressure (kPa) and method of determination	
Operating flow rate (tph)	
Date of construction	
Date of last inspection	
Brief summary of details from last inspection	
Internal diameter (mm)	
Clean-up provision	
Location	<i>Above ground/below ground/both (please specify)</i>
Construction material	
Flow phase	<i>Gas/liquid/two-phase flow/slurry/emulsion/other (please specify)</i>
Terrain description	<i>Land/water/combination (please specify)</i>
Corrosion protection system	
Cathodic protection system	<i>Impressed current/sacrificial anode/other (please specify)</i>
Leak detection system (s)	

4. Dangerous goods transported via pipeline

Proper shipping name	UN no.	Class	Sub-hazard	Packing Group

5. Details along pipeline route

<p>Land use along pipeline route</p>	<p><i>For a distance of 200 m (100m on each side) along the pipeline corridor:</i></p> <ul style="list-style-type: none"> <i>describe the land use areas that the pipeline could possibly impact on, and</i> <i>identify any sensitive areas, both environmental and physical, such as schools, hospitals, railways, ports, wetlands, watercourses, roads, electrical substations, pipelines with dangerous goods, explosives or dangerous goods sites, and processing facilities.</i>
<p>Local government zoning</p>	
<p>Scaled map of pipeline should include locality and pipeline route</p>	<p>Provide a scaled map covering 200 m (100 m on each side) along the pipeline corridor showing land use described above. In addition, the following map surround information should be included:</p> <ul style="list-style-type: none"> north arrow scale bar map scale horizontal and vertical datum (e.g. GDA94, AHD) projection information with MGA zone clearly indicated grid date of plan legend

Section C Template for written report to accompany this application

6. Risk control requirements (Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007)

No.	Requirement	Commitments to meet the requirements
1	<p>Details of standards covering design, build and maintenance of a dangerous goods pipeline.</p> <p>Regulation 89</p>	<p><i>Consider the particular Australian or international Standards used for the design, construction and maintenance of the pipeline.</i></p> <ul style="list-style-type: none"> <i>Provide risk assessments of the activities the registration would authorise and, having regard to section 8 of the Act, and all measures to be taken to minimise the risk to people, property and the environment in relation to the dangerous goods to which the registration would relate.</i> <i>Provide an audit report to demonstrate conformance to each applicable clause of the Standard applied.</i> <p><i>Guidance may be sought from Australian Standards AS 2885 Pipelines – Gas and liquid petroleum; and AS 4041 Pressure piping.</i></p>
2	<p>Confirmation the pipeline is labelled or signposted to clearly identify the dangerous goods to persons in the vicinity of the pipeline.</p> <p>Regulation 112</p>	<p><i>Items to consider:</i></p> <ul style="list-style-type: none"> <i>location of labels and signposts to identify the dangerous goods to be conveyed</i> <i>labels and signposts to be used</i> <p><i>Guidance may be sought from Australian Standards AS 1345 Identification of the contents of pipes, conduits and ducts; and AS 2885.1 Pipelines – Gas and liquid petroleum, Part 1: Design and Construction, section 4.4</i></p>
3	<p>Confirmation that the pipeline has been designed to allow safe access for examination and maintenance.</p> <p>Regulation 113</p>	<p><i>Consider methods and pipeline design that allows for safe access with regards to examination and maintenance.</i></p> <p><i>Guidance may be sought from Australian Standards AS 2885.3 Pipelines – Gas and liquid petroleum, Part 3: Operation and maintenance, section 6.4.2</i></p>

No.	Requirement	Commitments to meet the requirements
4	Confirmation that's SDS's are both current and readily accessible to persons involved with the pipeline, to DFES or to a dangerous goods officer Regulation 114	<p><i>Items to consider:</i></p> <ul style="list-style-type: none"> • <i>owner of pipeline to ensure accurate and up-to-date SDSs are available</i> • <i>how SDSs can be made accessible to personnel involved in the pipeline, DFES and dangerous goods officers</i>
5	Procedures to ensure clearing of decommissioned dangerous goods pipelines Regulation 115	<p><i>Procedures can be listed and summarised as to their relevance to this particular requirement. Items to consider:</i></p> <ul style="list-style-type: none"> • <i>how the pipeline is cleaned and freed from dangerous goods</i> • <i>operational policies and procedures</i> • <i>how the pipeline is to be removed from the site</i> • <i>how the pipeline is to be disposed of or dismantled</i> • <i>alternative safety measures where the pipeline is not freed from dangerous goods</i> <p><i>Guidance may be sought from Australian Standard AS 2885.3 Pipelines – Gas and liquid petroleum, Part 3: Operation and maintenance, section 8.10 to 8.13</i></p>
6	Measures taken to minimise possibility of persons interfering with or damaging the pipeline increasing the risk to people, property and the environment Regulation 116	<p><i>Items to consider:</i></p> <ul style="list-style-type: none"> • <i>measures taken to minimise possibility of a person interfering with or damaging the pipeline increasing the risk to people, property and the environment</i> • <i>access to the pipeline</i> • <i>security of the pipeline</i> • <i>measures to monitor the pipeline operation</i> • <i>training of persons involved in the use of the pipeline (including for maintenance or other access)</i> • <i>job descriptions and competencies</i> • <i>operational policies and procedures</i>

Section D Applicant's declaration

Must be signed by the owner of the pipeline.

I certify that the details contained in this application are true and correct and I have enclosed the necessary documentation.*

Name	<input type="text"/>	Position	<input type="text"/>
Applicant's signature	<input type="text"/>	Date	<input type="text"/>

**Note: There are no fees associated with the lodgement of this application*