

The Goldfields Gas Transmission Pipeline



GOLDFIELDS
G A S
TRANSMISSION

PROUDLY OPERATED BY

APA Group

A guide to
pipeline safety



Background	3
Pipeline Regulations	4
Working Safely with the Goldfields Gas Transmission Pipeline	5
Goldfields Gas Transmission Pipeline map	6
What You Need to Do	8
How to Contact Agility	9
Monitoring the Goldfields Gas Transmission Pipeline	10
The Pipeline and its Environment	11

Introduction

The 1380 kilometre long Goldfields Gas Transmission Pipeline transports clean, safe natural gas from the North West Pilbara to Kalgoorlie in the heart of the Goldfields region.

Traversing more than two thirds of the state, the pipeline services mining centres along its route, including Paraburdoo, Newman, Three Rivers, Wiluna, Mt Keith, Leinster, Leonora, Kalgoorlie and Kambalda.

The pipeline owners and operator are committed to the safe operation of the pipeline. The pipeline has been designed, constructed and tested in accordance with Australian standards and licence requirements.

The highest risk to the pipeline – and to the public – is damage by people who are unfamiliar with the requirements for safe work in and around the pipeline easement.

This booklet describes the pipeline, and summarises the requirements for safe work around the pipeline. This booklet is only a guide. It is essential for your safety and that of the public that you contact the pipeline operator, APA, prior to planning or commencing any work near the pipeline.

Background

GGT was formed in 1994 after extensive research into the feasibility of delivering natural gas from the North-West to the Goldfields.

Following a competitive tendering process, preliminary engineering and detailed design was undertaken in 1994 and early 1995, with construction of the Goldfields Gas Transmission Pipeline commencing in June 1995.

Gas first flowed through the pipeline almost exactly a year later in June 1996 with the connection of Newman power station in the state's North-West to the completed northern section of the pipeline.

Gas then flowed to Mt Keith and Leinster during July 1996 and to Kalgoorlie in September 1996.

The pipeline is operated and maintained on behalf of GGT by APA who is Australia's most experienced gas pipeline developer and operator, having interests in more than 10,000 kilometres of pipeline infrastructure through which over 50% of Australia's natural gas is transported.

All work activities carried out on the pipeline easement are required by law to conform to the pipeline system health, safety and environmental policies and therefore must have prior written approval. These policies and approvals may be obtained directly from either GGT or APA.



• Blowdown at Wiluna Compressor Station



Pipeline Regulations

The Goldfields Gas Transmission Pipeline is operated in accordance with various statutory requirements and Australian Standards.

The Department of Mines and Petroleum (DMP) in Western Australia authorises the operation of all pipelines in WA under the Petroleum Pipelines Act. The DMP has issued a license to the owners of the pipeline to construct and operate the pipeline in accordance with various conditions.

The pipeline warning signs also have a toll free phone number, 1800 151 016, on them that should be used in the case of an emergency.

The pipeline is located within a 30 metre wide easement. It is a legal requirement that no work may take place on the easement without prior approval from GGT or APA, as unauthorised work could jeopardise the safety of the pipeline and those working in the vicinity. Severe penalties apply to any person damaging the pipeline.

The pipeline is clearly marked with pipeline warning signs. These signs indicate only the approximate location of the pipeline and therefore GGT or APA should be contacted to locate and mark the pipeline accurately. The pipeline warning signs also have a toll free phone number, 1800 151 016, on them that should be used in the case of an emergency.

Never assume that you know exactly where the pipeline is located. Warning signs only provide a general location of the pipeline.

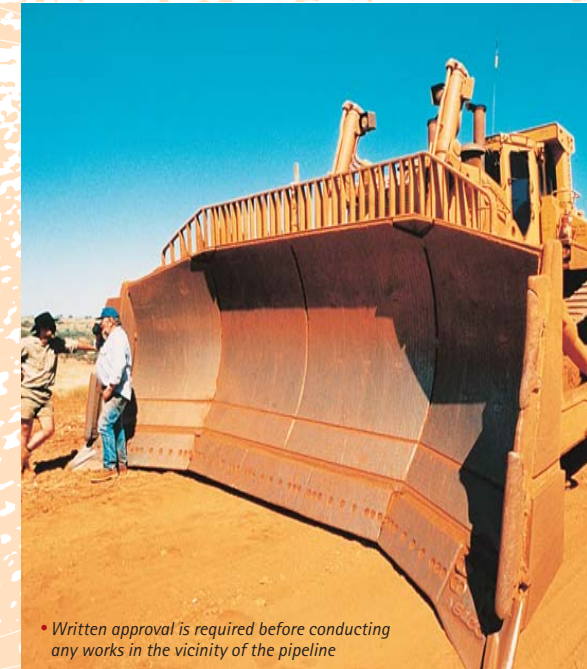


Working Safely with the Goldfields

Gas Transmission Pipeline

The Goldfields Gas Transmission Pipeline operates at high pressures. You could cause damage to the pipeline or yourself if you conduct works within the vicinity of the pipeline without prior approval.

Written approval is required before conducting any works in the vicinity of the pipeline or its associated laterals. Although owned by other parties, most pipeline laterals in the region are operated by APA as indicated on the map. Some of the works requiring written approval are:








Written approval is required before conducting any works in the vicinity of the pipeline

WRITTEN APPROVAL REQUIRED

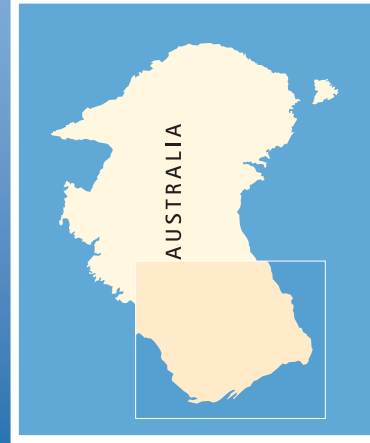
- Blasting
- Building
- Drainage work
- Excavation, trenching or ripping
- Fencing
- Placing stakes or pipes in the ground
- Laying other pipes or cables
- Operating heavy machinery
- Planting
- Removing or increasing earth cover
- Working on other pipes or cables
- Underground boring
- Constructing and maintaining tracks or roads
- Seismic survey activities
- Dumping of waste
- Dumping or draining of chemicals
- Sinking wells or bores
- Erection of power lines
- Flooding or water inundation



L E G E N D

-  Goldfields Gas Transmission Pipeline
-  Pipeline Laterals
-  Kambalda to Esperance Pipeline
-  Power Stations
-  Compressor Station

NB: Map is indicative only and not to scale.



What You Need To Do

- **Contact** GGT or APA at the contact point listed on page 9 at least two working days prior to conducting any work in the vicinity of the Goldfields Gas Transmission Pipeline.
- **Provide** a clear location and description of the proposed works.
- **Do not** conduct the work until you have received written approval. This usually takes two working days.
- **Read** through the conditions of the approval to ensure you understand them.
- **Accept** the conditions by signing the approval letter and returning a copy of the letter.
- **Conduct** work in accordance with the written approval. In some cases this will require an APA representative to be on site during the work to ensure the work is carried out in an appropriate manner.



The locating of the pipeline and issue of all approvals is a **TOTALLY FREE SERVICE** provided for your safety.

How to Obtain Approval

As the operator of the Goldfields Gas Transmission Pipeline, APA will provide you with written approval to conduct works in the vicinity of the pipeline.

The contact point during normal business hours for all land matters, including approval to conduct work is:

Lands Officer
APA
Level 8, 15-17 William Street
PERTH WA 6000
Phone: 08 9422 4100 Fax: 08 9322 3631

Approval application forms can also be completed and lodged for consideration on the GGT website www.ggt.com.au

For urgent information out of hours please contact Pipeline Control by phone on Freecall **1800 151 016**.

The steps below should be followed in the event of an **EMERGENCY SITUATION:**

- 1 **CLEAR** the area of personnel, moving at least 100m and upwind of the emergency site.
- 2 In the event of a gas leak that has not ignited, **SHUT OFF** all vehicles, equipment, and other sources of ignition – including radios and mobile phones. Leaking gas may accumulate and form an explosive gas cloud. **DO NOT** start any vehicles or equipment in the vicinity of the leak.
- 3 **DO NOT** attempt to extinguish the flame if a gas leak has ignited.
- 4 **DO NOT** attempt to ignite a suspected gas leak/cloud.
- 5 **NOTE** the precise nature and location of the emergency, including any injuries or property damage.
- 6 **REPORT** the emergency immediately.
- 7 **SEEK** medical treatment for injured persons if emergency medical services are not required.



Monitoring the Goldfields Gas Transmission Pipeline

The Goldfields Gas Transmission Pipeline is operated and monitored by a Supervisory Control and Data Acquisition (SCADA) system. This system uses satellite technology to communicate with various sites on the pipeline system. The SCADA system, which has a main control station in Kewdale in the city of Perth, is used to control all the functions of the pipeline. In an emergency this system can shut down sections of the pipeline to assist in minimising the impact of the emergency.

The pipeline is also monitored regularly through aerial and vehicle patrols. These patrols assist in ensuring the integrity of the pipeline has not been compromised. GGT or APA personnel will make every effort to contact landowners to advise them that they will be entering their property prior to doing so.

You can assist us by advising GGT or APA of any unauthorised works in the vicinity of the pipeline.



The pipeline is also monitored regularly through aerial and vehicle patrols. These patrols assist in ensuring the integrity of the pipeline has not been compromised.

The Pipeline and its Environment

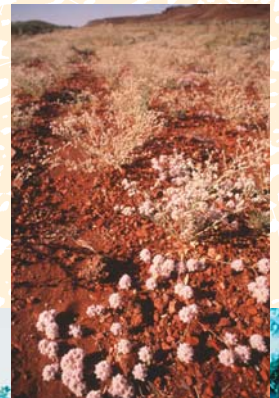
Throughout the Goldfields Gas Transmission Pipeline design, construction, and operation considerable emphasis has been placed on protecting the natural environment.

A full environmental impact assessment was undertaken by independent consultants under the Environmental Protection Act. The pipeline route was selected to avoid areas of particular environmental, heritage or cultural significance.

The route was cleared to a minimum width and construction traffic was confined to these cleared areas. After construction was completed the easement was reinstated with natural topsoil and vegetation mulch spread to encourage re-growth.

Subsequently the pipeline easement has been encouraged to return to its natural state, except for a narrow corridor which is kept clear of large trees for access and safety purposes.

The only indications that a pipeline is present are the numerous warning signs installed to indicate the location of the pipeline.





For information regarding the pipeline, please contact:

PERTH

Level 8,
15-17 William Street
PERTH WA 6000
Telephone: (08) 9422 4100
Facsimile: (08) 9322 3631

KALGOORLIE

19 Broadwood Street,
Kalgoorlie WA 6430
P.O. Box 5535,
Kalgoorlie WA 6430
Telephone: (08) 9091 8017
Facsimile: (08) 9091 8019

KARRATHA

Lot 1512 Lambert Road,
Karratha WA 6714
P.O. Box 925,
Karratha WA 6714
Telephone: (08) 9144 1992
Facsimile: (08) 9144 1993

NEWMAN

Lot 1614 Laver St
Newman WA 6753
P.O. Box 293,
Newman WA 6753
Telephone: (08) 9175 1070
Facsimile: (08) 9175 1802

**In case of pipeline emergency
telephone Freecall 1800 151 016**

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