

8 Glossary and abbreviations

8.1 Glossary

Term	Definition
AC corrosion	Corrosion of metal (pipe) due to alternating current induction near powerlines.
Acid sulphate soils	Soils containing iron sulphides that, when exposed to air, may oxidise and produce sulphuric acid.
Alignment	The location of the pipeline underground.
APIA Code	Australian Pipeline Industry Association's Code of Environmental Practice – Onshore Pipelines.
Base load	The minimum level of demand on a specific power supply system during a 24 hour period.
Bio-corrosion	The biological decay of metal.
Bioregion	A region defined by its biophysical characteristics, as identified by Thackway and Creswell (1995).
Blasting	Rock removal through the use of explosive charges.
Boring	Describes the act of drilling, usually in a horizontal direction.
Carbon dioxide equivalent (CO ₂ -e)	The amount of carbon dioxide in a mixture that would have the same global warming potential when measured over a certain timescale. It is calculated by multiplying the unit of gas by the global warming potential.
Cathodic protection	A system of preventing corrosion that includes the use of direct current induction.
Corridor	An area for purpose of this study within which the pipeline alignment would be situated or a linear feature around a centreline.
Critical infrastructure	A major infrastructure project that is considered by the New South Wales (NSW) Minister for Planning to be essential to the State for economic, social or environmental reasons, thence gazetted as a "critical infrastructure" project under the <i>Major Projects State Environmental Planning Policy 2005</i> .
Deep ripping	A process that involves the breaking up of soil below the uppermost layers. Also known as blade ploughing.
Director General's Requirements (DGRs)	The required considerations and inclusions for an Environmental Assessment under Part 3A of the <i>Environmental Planning and Assessment Act 1979</i> , and as outlined in documentation put forward by the Director General from the NSW Department of Planning.
Easement	A right legally possessed by the Proponent to use an area that will be designated for the installation and operation of a pipeline.
Ecologically Sustainable Development (ESD)	A form of development that involves the utilisation and conservation of natural resources so the ecological processes are maintained or enhanced for both current and future generations as defined by the <i>Protection of the Environment Administration Act, 1991</i> .

Term	Definition
Endangered Ecological Communities (EECs)	An ecosystem that has been identified as endangered or threatened, as defined in the <i>Environment Protection and Biodiversity Conservation Act, 1999</i> .
Ephemeral	Temporary state or condition in nature; such as wetlands during the wet season.
Fauna egress point	Section in the trench where trapped fauna can exit.
Fauna entrapment	The unintentional trapping of fauna within the corridor area.
Geotechnical	Describes or categorises an object, issue or study as primarily associated with the nature of geological materials.
Horizontal directional drilling (HDD)	Drilling a hole at a shallow angle through which a pipe is threaded. Employed in generally silty or gravely soil conditions, such as under a watercourse.
Human amenity	The human/community use and enjoyment of resources within public or privately owned property.
Hydrostatic testing	A method used to identify any leaks within the pipeline.
Lateral	A smaller diameter sized pipe that extends from the main pipeline to service a particular area or operation.
Liquefied natural gas (LNG)	The liquid form of natural gas usually produced for easier transportation or storage.
Load shedding event	An occurrence that involves the elimination of customer demand from a power system due to an uncommon condition, so that the performance and integrity of the system is maintained.
Mainline	The portion of the pipeline (approximately 820km) that transmits gas from Wallumbilla, Queensland to Newcastle, NSW.
Major infrastructure	A particular development or development type defined within either the NSW <i>State Environmental Planning Policy (Major Projects), 2005</i> or an order by the Minister of Planning published in the NSW Government Gazette.
National Emissions Trading Scheme	A proposal put forward by the Australian Federal Government to assist in reducing greenhouse gas emissions as a response to climate change.
Non destructive testing (NDT)	Describes a testing procedure that does not damage or destroy the test item.
Noxious weed	A type of plant that is to be legally controlled or removed under the <i>NSW Noxious Weed Act 1993</i> . Species lists vary depending on the local government area.
Offtake	A potential connection point to the gas pipeline that would enable potential future use of the gas.
Open cut	A watercourse crossing method that involves establishing a stable working platform on either side of the watercourse and creating a trench using excavators.
Open trench	A watercourse crossing method that involves an exposed long depression or cut in the ground.
Pigging	A special method that utilises either magnetic flux loss or ultrasonic method for the purpose of identifying any defects within the pipeline.
Project	A natural gas pipeline from near Wallumbilla in Queensland to Newcastle in NSW, including all structures and activities associated with its construction and operation.
Proponent	The company that has put forward the proposal for development, in this instance, Queensland Hunter Gas Pipeline Pty Ltd.

Term	Definition
Purging	Describes the process in which air is removed from the pipeline prior to the introduction of gas to ensure safe entry of the gas.
Queensland Hunter Gas Pipeline (QHGP)	The name given to the proposal.
Right of way (ROW)	The 30m area required for construction of the pipeline.
Riparian	Describes vegetation along watercourses.
Rocksaw	An engineering tool used to eliminate large material and/or create narrow depressions.
Route	The course or track where the proposed pipeline is to follow.
Saxicolous	Description of species that live in rocky habitats.
Sclerophyll	Describes a vegetation community that is dominated by woody plants that have hard leaves and short internodes. Dominant vegetation in Australia.
Scraper stations	Structures that allow the insertion and/or retrieval of devices to clean the internal sections of the pipe or to detect damage or metal loss within the pipe.
Socio-economic	Describes the impacts or issues upon both society and the economy.
Spoil	Soil material, produced after an excavation.
Spread	A suite of construction activities undertaken in sequence
Study area	A 200 metre wide corridor in which a 30 metre wide ROW will be defined.
Subsoil	Describes the soil layer that is situated directly beneath the topsoil layer.
Terrain pinch point	The point where the pipeline is constrained to go through a certain area.
Third party activity	Any activity that has been performed or carried out by an outside group that has no direct linkage to the QHGP project.
Topographic	Describes or categorises an object, issue or study as primarily associated with local detail such as relief/elevation, vegetation and anthropogenic features.
Travelling stock route (TSR)	The pathway used by travelling stock as defined in the <i>Rural Lands Protection Act, 1998</i> .
Trench	A pipeline installation method that involves an exposed linear depression or cut in the ground.
Visual amenity	The visual and aesthetic quality of a public or privately owned property.

8.2 Abbreviations

Abbreviation	Definition
AC	Alternating Current
AHIMS	Aboriginal Heritage Information Management System
AHMS	Archaeological and Heritage Management Solutions
ALARP	As Low As Reasonably Practical
ANZIS	ANZ Infrastructure Services
APIA	Australian Pipeline Industry Association
ARTC	Australian Rail Track Corporation
ASS	Acid Sulphate Soils
CEMP	Construction Environmental Management Plan
CMA	Catchment Management Authority
CO ₂ -e	Carbon Dioxide Equivalent
CP	Corrosion Protection
CSG	Coal Seam Gas
DC	Direct Current
DECC	Department of the Environment and Climate Change
DEWHA	Department of the Environment, Water, Heritage and the Arts
DoL	Department of Lands
DoP	Department of Planning
DPI	Department of Primary Industries
DWE	Department of Water and Energy
EA	Environmental Assessment
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999
EEC	Endangered Ecological Community
EP&A Act	Environmental Planning and Assessment Act
GJ	Gigajoule
GLG	Government Liaison Group
GMO	Genetically Modified Organism
HAZOP	Hazard and Operability
HBT	Hollow Bearing Trees
HDD	Horizontal Directional Drilling
HIPAP	Hazardous Industry Planning Advisory Papers
LEP	Local Environment Plan

Abbreviation	Definition
LGA	Local Government Area
LNG	Liquid Natural Gas
NSW	New South Wales
OCG	Office of the Coordinator General
PJ	Petajoule
PRCI	Pipeline Research Council International
QHGP	Queensland Hunter Gas Pipeline
RLPB	Rural Lands Protection Board
RTA	Roads and Traffic Authority
ROW	Right Of Way
SCC	Stress Corrosion Cracking
SEPP	State Environment Planning Policy
SoC	Statement of Commitments
TSR	Travelling Stock Route

