

CONTENTS

GLOSSARY OF TERMS 1

 Glossary and Abbreviations..... 1

 Units 14

GLOSSARY OF TERMS

GLOSSARY AND ABBREVIATIONS

Term	Definition
AADT	Annual Average Daily Traffic. The yearly two-way traffic volume divided by 365, expressed as vehicles per day.
ABS	Australian Bureau of Statistics
ACARP	Australian Coal Association Research Program
ACH Act	Queensland <i>Aboriginal Cultural Heritage Act 2003</i>
AD	Air dried
AEP	Annual Exceedance Probability
AHD	Australian Height Datum
Airblast Overpressure	The energy transmitted from the blast site within the atmosphere in the form of pressure waves, consisting of both audible (noise) and inaudible (concussion) energy. The maximum excess pressure in this wave is the peak airblast overpressure.
Air NEPM	<i>National Environmental Protection (Ambient Air Quality) Measure 2003</i>
ALARP	As Low As Reasonably Practicable
Alluvium	A general term for clay, silt, sand, gravel or similar unconsolidated detrital material, deposited by a stream or other body of running water, in the bed of the stream or on its floodplain or delta.
ALS	Airborne Laser Scanning
Ambient	Surrounding or background
Ambient Noise	The all-encompassing noise associated within a given environment. It is the composite of sounds from many sources, both near and far.
AMCI	AMCI (Alpha) Pty Ltd
Amenity	The quality of being pleasant, attractive or enjoyable
Anabat	A device for detecting bats
Anaerobic	Having or producing no oxygen
ANC	Acid neutralising capacity
Anthropogenic	Caused by humans or human activity
ANFO	Ammonium Nitrate Fuel Oil
ANZECC	Australian and New Zealand Environment and Conservation Council
ANZECC Guidelines	Australian and New Zealand Guidelines for Fresh and Marine Water Quality
APCT	Abbot Point Coal Terminal
APP	Acid Producing Potential
Aquatic	Growing, living or found in water
Aquifer	An underground layer of permeable rock, sediment, or soil that yields water
ARD	Acid Rock Drainage

Term	Definition
ARI	Average Recurrence Interval. An expression of the average, or expected, period between exceedances of a given rainfall total accumulated over a given duration.
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand
AS	Australian Standard
ASGC	Australian Standard Geographic Classification
ASS	Acid sulphate soils
AS/NZS	Australian Standard/New Zealand Standard
AS 1259	<i>Australian Standard 1259 – 1990 Acoustics Sound Level Meters</i>
AS 1940	<i>Australian Standard 1940 – The Storage and Handling of Flammable and Combustible Liquids</i>
AS 2187	<i>Australian Standard 2187 – Explosives – Storage, Transport and Use</i>
ATSIHP Act	Commonwealth Aboriginal and Torres Strait Islander Heritage Protection Act 1984
AWS	Automatic Weather Station
\$AUD	Australian Dollar
AWDT	Average Weekday Daily Traffic
Background Noise	The noise ordinarily present and continuous at a given location, excluding extraneous noise and the noise source of interest. Commonly measured using the statistical parameter, LA ₉₀ , the A-weighted noise level that was exceeded for ninety per cent of the monitoring period.
Baseline	The condition already present in an area before the commencement of a specific activity.
BONN Convention	The Convention on the Conservation of Migratory Species of Wild Animals
Bioregion	Region where the floral or faunal communities are similar
BMP	Bushfire Management Plan
BOM	Bureau of Meteorology
BRC	Barcaldine Regional Council
BRIA	Burdekin River Irrigation Area
Bt	Billion tonnes
Bund	An embankment constructed around an area to prevent the inflow or outflow of liquids. Also called Bunding.
CACPs	Community Aged Care Packages
CAMBA	China - Australia Migratory Bird Agreement
CAR	Cross-agency Reference Group
Carbon Tax	<i>Clean Energy Bill 2011</i>
CASA	Civil Aviation Safety Authority
CCTV	Closed-Circuit Television Equipment
CEC	Cation exchange capacity
CEP	Community Engagement Plan
Chainage	The location along a road from a start point (in metres)
CH ₄	Methane
CHMP	Cultural Heritage Management Plan
CHPP	Coal Handling and Preparation Plant

Term	Definition
CHRC	Central Highlands Regional Council
Cl ⁻	Chloride ions
CLR	Contaminated Land Register
CMSH Act	Queensland Coal Mining Safety and Health Act 1999
CO	Carbon monoxide
CO ₂	Carbon dioxide
CO ₂ ^e	Carbon dioxide equivalents. A metric measure used to compare the emissions of various greenhouse gases, relative to carbon dioxide, based on their global warming potential.
Coarse rejects	The coarse particle fraction of coal processing waste
Coal	A black rock formed from prehistoric plant material which has been unable to breakdown and subsequently compressed over time, composed largely of carbon and burned as a fuel.
CPP	Community Partnership Program
CQU	Central Queensland University
CRG	Community Reference Group
CSG	Coal Seam Gas
CSIRO	Commonwealth Scientific and Industrial Research Organisation
Cumulative	Growing in quantity, strength, or effect by successive additions or gradual steps
D1 and D2 Coal Seams	The D1 and D2 coal seams are the primary target seams for the SGCP. D1 is the top coal seam and D2 is the lower coal seam. The coal seams within MLA 70453 are interpreted to occur in the Late Permian Bandanna Formation. These seams are interpreted to consist of three plies varying in thickness from 0.5 to 4.5 m with raw ash ranging from 7.5 to 41 per cent (%) on an air dried basis. The coal is high volatile sub bituminous, described as dull with abundant bright bands.
<i>Dangerous Goods Act</i>	Queensland <i>Dangerous Goods Safety Management Act 2001</i>
DAS	Directly Affected Stakeholder
dB(A)	A measure of sound level. Decibels using the 'A' weighted scale, measured according to the frequency response of the human ear.
DCCEE	Department of Climate Change and Energy Efficiency
DEEDI	Queensland Department of Employment, Economic Development and Innovation; which has been superseded by the Queensland Department of State Development and Infrastructure Planning (DSDIP).
DEHP	Queensland Department of Environment and Heritage Protection (formerly the Department of Environment and Resource Management (DERM))
DERM	Queensland Department of Environment and Resource Management; which has been superseded by the Department of Environment and Heritage Protection (DEHP).
DERM Guideline	Guideline entitled Establishing draft environmental values and water quality objectives (Environmental Protection Agency, 2005)
DET	Department of Education and Training
DEWHA	Commonwealth Department of Environment, Water, Heritage and the Arts (now the Department of Sustainability, Environment, Water, Population and Communities)
DFE	Defined Flood Event
DFS	Definitive Feasibility Study
DIDO	Drive-in/drive-out

Term	Definition
DIP	Queensland Department of Infrastructure and Planning
Direct	Immediate; without intervening persons or agencies
DLGP	Department of Local Government and Planning
DME	Queensland Department of Mines and Energy
DMR	Queensland Department of Main Roads
DNRM	Queensland Department of Natural Resources and Mines (now Department of Employment, Economic Development and Innovation)
DO	Dissolved oxygen – a relative measure of the amount of oxygen dissolved in medium, measured in milligrams per litre (mg/L)
DoC	Department of Communities
DPI	Queensland Department of Primary Industries (now Department of Employment, Economic Development and Innovation)
DPI&F	Queensland Department of Primary Industries and Fisheries (now Department of Employment, Economic Development and Innovation)
Draft SIMP Guideline	Draft Social Impact Assessment: Preparing a social impact management plan
Drainage Pattern	The pattern formed by drainage lines, gullies, streams and rivers
Draw down	A lowering of the watertable of an unconfined aquifer or the potentiometric surface of a confined aquifer caused by pumping of the groundwater from wells
DRET	Commonwealth Department of Resources, Energy and Tourism
DSDIP	Queensland Department of State Development, Infrastructure and Planning
DTM	Digital Terrain Model
DTMR	Queensland Department of Transport and Main Roads
EA	Environmental Authority. Licence or Approval issued under the <i>EP Act</i> to conduct specified 'Environmentally Relevant Activities'.
Easement	A right held by a person on organisation to make use of the land of another, for example, for the installation and operation of a pipeline. Also referred to as a right of way.
EC	Electrical Conductivity
EC _{1.5}	Measure of electrical conductivity using a 1:2 material:water suspension
EC _{1.2}	Measure of electrical conductivity using a 1:5 material:water suspension
Ecosystem	An interacting system of animals, plants, other organisms and nonliving parts of the environment
EEO	Energy Efficiency Opportunities
<i>EEO Act</i>	Commonwealth <i>Energy Efficiency Opportunities Act 2006</i>
EFOs	Environmental Flow Objectives
EIA	Environmental Impact Assessment
EIS	Environmental Impact Statement
Emission	The discharge or release of a substance into the environment
EMOS	Environmental Management Overview Strategy
EM Plan	Environmental Management Plan
EMO	Emergency Management Queensland
EMR	Environmental Management Register
EMRP	Emergency Management and Response Plan

Term	Definition
Endangered	Listed as 'endangered' under the Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i> and/or the Queensland <i>Nature Conservation Act 1992</i>
Environmental Flow	Freshwater flow in a river that is maintained solely for environmental reasons
Environmental Impact Assessment Procedures	Federal or State requirements on the assessment of potential environmental impacts of a proposed project that must be followed to enable Government decision on approval or refusal of the project.
Environmentally Relevant Activities	Activities listed under the EP Reg that require an Environmental Authority
EOM	End of Mining
EP	Equivalent Persons
EPA	Queensland Environmental Protection Agency
EPC	Exploration Permit for Coal
<i>EP Act</i>	Queensland <i>Environmental Protection Act 1994</i>
<i>EPBC Act</i>	Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i>
EPC	Exploration Permit for Coal
Ephemeral	Existing for a short length of time. Used in reference to a stream that only flows periodically.
EPO	Environmental Protection Order
EPP	Environmental Protection Policy
<i>EPP (Air)</i>	Queensland <i>Environmental Protection (Air) Policy 2008</i>
<i>EPP (Noise)</i>	Queensland <i>Environmental Protection (Noise) Policy 2008</i>
<i>EPP (Waste)</i>	Queensland <i>Environmental Protection (Waste Management) Policy 2000</i>
<i>EPP (Water)</i>	Queensland <i>Environmental Protection (Water) Policy 2009</i>
<i>EP Reg</i>	Queensland <i>Environmental Protection Regulation 2008</i>
Equivalent persons	Unit of measurement used to determine the demand for sewerage reticulation services
ERA	Environmentally Relevant Activity. Activity with potential associated environmental impacts that are regulated under the Queensland <i>Environmental Protection Regulation 2008</i> .
ERE	Endangered Regional Ecosystem
ESD	Ecologically Sustainable Development – uses, conserves and enhances the community's resources so that ecological processes, on which life depends, are maintained, and the total quality of life, now and in the future, can be increased.
ESCP	Erosion and Sediment Control Plan
ESP	Exchangeable Sodium Percentage
<i>Explosives Act</i>	Queensland <i>Explosives Act 1999</i>
FIFO	Fly-in/fly-out
Final Void	The pit area remaining after mining has ceased
Fine Rejects (or Tailings)	The fine particle fraction of coal processing waste
FMP	Fire Management Plan
FRR	Final Rehabilitation Report
FTE	Full Time Equivalent
GAB	Great Artesian Basin

South Galilee Coal Project
Glossary of Terms

Term	Definition
GARID	Guidelines for Assessment of Road Impacts of Development
GBR	Great Barrier Reef
GBRMPA	Great Barrier Reef Marine Park Authority
GCP	Galilee Coal Project
GDE	Groundwater Dependent Ecosystem
GHG	Greenhouse Gases – such as carbon dioxide and methane that, when dispersed in the atmosphere, tend to trap heat.
GIS	Geographic Information System
GPS	Global Positioning System
GOAL	Good Quality Agricultural Land
Groundwater	All waters that accumulate or flow below the earth's surface. The water contained within the joints, vesicles, fractures or interconnected pores of an aquifer.
Habitat	The location or environment where an organism or a biological population normally lives or occurs
HACC	Home and Community Care
HAP	Housing and Accommodation Plan
Hazard	The intrinsic ability to cause adverse effects
Hazchem	Abbreviation used for the hazardous chemical substances coding system used in the Australian Code for the Transportation of Dangerous Goods by Road and Rail. The system is defined in the Australian Standard AS 1216 and uses a classification and labelling system adopted by the United Nations.
Heavy Vehicle	A truck, transport or other vehicle with a gross vehicle weight above a specified level (for example: over 8 tonnes).
HES	High Ecological Significance
Highwall	The unexcavated face of exposed overburden and coal or ore in an opencast mine or the face or bank of the uphill side of a contour strip-mine excavation.
HR	Human Resources
HSMP	Health and Safety Management Plan
Hydraulic	Of or relating to water or other liquid in motion; operated, moved, or effected by water or liquid
Hz	Hertz
IAS	Initial Advice Statement
ICOMOS	International Council on Monuments and Sites
ICMM	International Council on Mining and Metals
IDAS	Integrated Development Assessment System. State mechanism for managing development and its effects in Queensland.
Indirect	Not coming as a direct effect or consequence; secondary
Interburden	Material that lies between two areas of economic interest, such as the material separating coal seams within strata
Introduced Species	A species that does not occur naturally in a given area, and has been introduced to it through human action
I-O Analysis	Input - Output Analysis
IPA	Queensland <i>Integrated Planning Act 1997</i> (Revoked and replaced by the Queensland <i>Sustainable Planning Act 2009</i>)
IPCC	In Pit Crushing and Conveying

Term	Definition
IROL	Interim Resource Operations Licence
JAMBA	Japan - Australia Migratory Bird Agreement
JCU	James Cook University
JORC Code	Australasian Joint Ore Reserves Committee's Australasian Code for Reporting on Exploration Results, Mineral Resources and Ore Reserves
JSA	Job Safety Analysis
KL	Kilolitres
km	Kilometres
km/hr	Kilometres per hour
km ²	Square kilometres
KPI	Key Performance Indicator
KRA	Key Resource Area
kV	Kilovolts
<i>Land Act</i>	Queensland <i>Land Act 1994</i>
L _{Aeq,t}	The L _{Aeq} is the 'A'-weighted energy average noise level over the time in question. It is the constant noise level containing the same energy as the actual fluctuating noise level. Commonly accepted time periods (t) include 10 minutes, 15 minutes, 30 minutes, 60 minutes and 24 hours.
L _{A10,t}	The L _{A10} is the 'A'-weighted statistical noise level exceeded 10 % of the time. Commonly accepted time periods (t) include 10 minutes, 15 minutes, 30 minutes, 60 minutes and 24 hours. It is sometimes referred to as the average maximum noise level.
L _{A90, t}	The L _{A90} is the 'A'-weighted statistical noise level exceeded 90 % of the time. Commonly accepted time periods (t) include 10 minutes, 15 minutes, 30 minutes, 60 minutes and 24 hours. It is commonly referred to as the background noise level.
L _{Amax}	The maximum 'A'-weighted sound pressure level occurring in a specified time period
LGA	Local Government Area
LIPP	Local Industry Participation Plan
LMP	Landholder Management Plan
LNG	Liquefied Natural Gas
<i>LP Act</i>	Queensland <i>Land Protection (Pest and Stock Route Management) Act 2002</i>
<i>LP Regulation</i>	Queensland <i>Land Protection (Pest and Stock Route Management) Regulation 2003</i>
LRAM	Land Resources Assessment and Management Pty Ltd
LSA	Local Study Area
m	Metres
Ma	Megaannum. One million years. Used to measure age in geological contexts.
Macroinvertebrate	an invertebrate that is large enough to be seen without a microscope, for example beetles and crustaceans.
mAHD	Australian Height Datum height in metres
Mbcm	Million bank cubic metres
MCF	Multi Cargo Facility
MCP	Mine Closure Plan
MDL	Mineral Development Licence

Term	Definition
Median	The middle value, where half the data are smaller, and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two middle values.
MET Serve	Mining & Energy Technical Services Pty Ltd
MIA	Mine Industrial Area
Mitigation	Actions taken to lessen the severity or intensity of an impact
ML	Megalitre
ML	Mining Lease
MLA	Mining Lease Application
MNES	Matter of National Environmental Significance (under the <i>EPBC Act 1999</i>)
MPA	Maximum potential acidity
<i>MR Act</i>	<i>Queensland Mineral Resources Act 1989</i>
MRPHP	<i>Major Resource Project Housing Policy</i>
MSDS	Material Data Safety Sheet
Mt	Million tonnes
Mtpa	Million tonnes per annum
MV	Medium Voltage
MWMS	Mine Water Management System
NAF	Non Acid Forming
NAG	Net Acid Generation
NAGP	Net Acid Generation Potential
NAPP	Net Acid Producing Potential
NATA	National Association of Testing Authorities
Native Title	The rights and interests that are possessed under the traditional laws and customs of Aboriginal peoples and Torres Strait Islanders in land and waters, and that are recognised by the common law.
<i>NC Act</i>	<i>Queensland Nature Conservation Act 1992</i>
NEPC	National Environmental Protection Council
NEPM	National Environmental Protection Measure
<i>NGER Act</i>	<i>Commonwealth National Greenhouse and Energy Reporting Act 2007</i>
NMA	Noise Mapping Australia Pty Ltd
NNIT	National Native Title Tribunal
N ₂ O	Nitrous Oxide
Noise floor	The noise floor, inherent or 'self-noise' of sound level measuring equipment is the combination of the preamplifier's electrical noise and thermal noise from the microphone.
NOBP	North Queensland Bulk Ports
NOx	Oxides of nitrogen
NPI	National Pollutant Inventory
NSW	New South Wales
<i>NT Act</i>	<i>Commonwealth Native Title Act 1993</i>
NWQMS	National Water Quality Management Strategy

Term	Definition
OESR	Office of Economic and Statistical Research
Offset	Environmentally beneficial activities which are carried out in order to counterbalance adverse environmental impacts
Overburden	Geological strata overlying coal or mineral deposits
PAF	Potentially Acid Forming
PAF-LC	Potentially Acid Forming – Low Capacity
Particulate Matter	Minute airborne particles
Perennial	Lasting for an indefinite amount of time
Permeability	The capacity of a material to transmit fluid
PFS	Pre-feasibility Study
pH	An expression of the concentration of hydrogen ions in a solution, used as an index of the acidity/alkalinity where 7 is considered neutral
PIA	Pavement Impact Assessment
PJ	Petajoules
PMF	Probable Maximum Flood
PM ₁₀	Particulate matter less than 10 microns in diameter
PM _{2.5}	Particulate matter less than 2.5 microns in diameter
POO	Plan of Operations
PPE	Personal Protective Equipment
ppm	Parts Per Million
PRA	Preliminary Risk Assessment
Progressive Rehabilitation	Rehabilitation undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing
QAS	Queensland Ambulance Service
QFRS	Queensland Fire and Rescue Service
<i>QH Act</i>	<i>Queensland Heritage Act 1992</i>
QLD	Queensland
QMAN	Quarry Material Allocation Notice
QMEA	Queensland Minerals and Energy Academy
QPS	Queensland Police Service
QR	Queensland Rail
QRC	Queensland Resources Council
QWQG	Queensland Water Quality Guidelines
Ramsar Convention	The Convention on Wetlands of International Importance
Rare	Species listed as 'rare' under the Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i> and/or the Queensland <i>Nature Conservation Act 1992</i>
RC	Regional Council
RCP	Road Corridor Permit
RE	Regional Ecosystem
Recharge	A hydrologic process where water moves downward from surface water to groundwater

Term	Definition
Recharge Area	An area in which there are downward components of hydraulic head in the aquifer. Infiltration moves downward into the deeper parts of an aquifer in a recharge area.
Recycle	The process of reusing a given product beyond its intended use, or producing a new product from a recyclable material
Regulated Waste	A commercial or industrial waste, whether or not it has been immobilised or treated, of a type, or containing a constituent of a type mentioned in Schedule 7 of the <i>EP Regulation</i> . Regulated waste types contain a significant quantity and concentration of a hazardous contaminant that exhibits hazardous characteristics because of its toxicity, carcinogenicity, mutagenicity, teratogenicity, flammability, corrosivity, reactivity, ignitability or infectiousness, through its physical, chemical or biological characteristics.
Rehabilitation	The process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in an environmental authority and, where relevant, includes remediation of contaminated land.
Remnant Vegetation	Patches of vegetation amongst a clearing
Reuse	The act or process of using again
Revegetation	To provide barren or denuded land with a new vegetative cover
RFDS	Royal Flying Doctor Service
Riparian	Relating to the banks of a natural waterway, typically in reference to vegetation
Risk	The probability of occurrence of adverse effects
RMP	Risk Management Plan
ROL	Resource Operations Licence
ROM coal	Run-of-mine coal
ROP	Resource Operation Plan
RPDM	Road Planning and Design Manual
RPEQ	Registered Professional Engineer of Queensland
RPP	Regional Planning Policy
RSA	Regional Study Area
RSDC	Regional Social Development Centre
RTN	Right to Negotiate. Process under Section 29 of the <i>NT Act</i> .
S	Sulfur
S&HMS	Safety and Health Management System
Salinity	The concentration of common dissolved salts found in water and reported by volume (milligrams per litre)
SAN	Storage Area Network
Saturation	The extent or degree to which the voids in rock contain water; usually expressed as a percent related to total void or pore space
SES	State Emergency Service
SCEP	Stakeholder and Community Engagement Program
SCL	Queensland Government's Strategic Cropping Land
SCR	State Controlled Road
SDA	State Development Area
<i>SDPWO Act</i>	<i>Queensland State Development and Public Works Organisation Act 1971</i>
SEIFA	Socio-Economic Index for Areas

Term	Definition
Sensitive Receptor	Areas of human habitation (e.g. an individual dwelling, a group of receptors or a population) that may be susceptible or sensitive to impacts (e.g. noise impacts).
SEQ	South East Queensland
SEWPaC	Commonwealth Department of Sustainability, Environment, Water, Population and Communities
SGCP	South Galilee Coal Project
SIA	Social Impact Assessment
SIAU	Social Impact Assessment Unit
Significant Project	An infrastructure project declared as being 'significant' by the Queensland Coordinator-General under the <i>SDPWO Act</i> , on the basis of one or more of the following: <ul style="list-style-type: none"> • complex approval requirements, involving local, state and federal governments • potential environmental impacts • large capital investment • substantial job opportunities • strategically important to the locality, region or state.
SIMP	Social Impact Management Plan
SIWP	Social Infrastructure Working Group
SMD	Slightly to moderately disturbed
SOP	Standard Operating Procedure
SO ₂	Sulfur dioxide
<i>SP Act</i>	<i>Queensland Sustainable Planning Act 2009</i>
<i>SP Reg</i>	<i>Queensland Sustainable Planning Regulation 2009</i>
SPP	State Planning Policies
SPP 1/03	State Planning Policy 1/03 – Mitigating the Adverse Impacts of Flood, Bushfire and Landslides
SRTM	Shuttle Radar Topographic Mission
Stakeholder	Person or group of people with a vested interest in the project, and/or its potential impact
Stockpile	Temporarily stored materials such as soil, sand, gravel and spoil/waste
STP	Sewage Treatment Plant
Stygofauna	Fauna that inhabit groundwater, sometimes occurring very close to the surface
Substrate	The underlying base to something, e.g. the streambed.
Surface water	Water collecting on the earth's surface
TAFE	Technical and Further Education
TAPM	The Air Pollution Model (TAPM) is a three dimensional meteorological and air pollution model developed by the Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO) Division of Atmospheric Research.
TARP	Trigger Action Response Plan
TBD	To Be Determined
TC	Texture contrast. A soil classification descriptor that denotes a soil with an abrupt texture change between horizons. Also known as duplex soils.

Term	Definition
TDS	Total Dissolved Solids. The total content of dissolved solids in water, commonly expressed as parts of dissolved solids per million parts of solution, or milligrams of dissolved solids per litre of solution (mg/L); the significance of salinity depends on the nature as well as the amount of the dissolved solids.
TEC	Threatened Ecological Community
Terrestrial	Growing or living on the land
TIA	Transport Impact Assessment
<i>TI Act</i>	<i>Queensland Transport Infrastructure Act 1994</i>
TMP	Transport Management Plan
Topsoil	The surface layer of soil
ToR	Terms of Reference
Toxicity	The degree of poison or ill effects that a substance produces
<i>TPC Act</i>	<i>Queensland Transport Planning and Coordination Act 1994</i>
Tph	Tonnes per hour
Traditional Owners	Traditional Aboriginal owners or other Aborigines to whom the protection of an area is entrusted in accordance with Aboriginal tradition.
TQ	TAFE (Technical and Further Education) Queensland
TRG	Technical Reference Group
Troglofauna	Subterranean animals that exist only in caves and cavities, adapted to life in permanent darkness
Trophic	Pertaining to food webs
Turbidity	A measure of the cloudiness of water which is determined by the amount of light scattered by suspended particles
TSF	Tailings Storage Facility
TSMP	Threatened Species Management Plan
TSP	Total Suspended Particulates
TSS	Total Suspended Solids. The concentration of filterable particles in water, reported by volume (milligrams per litre).
UN	United Nations
UNFCCC	United Nations Framework Convention on Climate Change
Vegetation Management Reg	<i>Vegetation Management Regulation 2000</i>
VET	Vocational Education and Training
Vibration	Mechanical oscillations about an equilibrium point
<i>VM Act</i>	<i>Queensland Vegetation Management Act 1999</i>
VOC	Volatile Organic Compound
VOIP	Voice Over Internet Protocol
Vulnerable	Listed as 'vulnerable' under the Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i> and/or the <i>Queensland Nature Conservation Act 1992</i>
VWP	Vibrating Wire Piezometer
WAN	Wide Area Network
Waratah	Waratah Coal Pty Ltd

Term	Definition
WASOs	Water Allocation Security Objectives
Waste Reg	Queensland <i>Environmental Protection (Waste Management) Regulation 2000</i>
Waste Rock Emplacement Facility	Placement or containment of waste rock (material encountered during the mining process that has little or no economic value)
Wastewater	Water used in a process to carry unwanted materials away or process water that can no longer be used or is surplus to the process
Water Act	Queensland <i>Water Act 2000</i>
Water Table	The surface in an unconfined aquifer or confining bed at which the pore water pressure is atmospheric
Weed	Any plant that grows widely and profusely, and requires some form of action to reduce its effect on the economy, the environment, human health and amenity. Weeds are also known as invasive plants.
Wind Rose	A diagram summarising the frequencies of winds of different strengths and directions as measured at a specific point over an extended period of time.
WM Plan	Waste Management Plan
WMP	Workforce Management Plan
WPAMP	Weed and Pest Animal Management Plan
WQGs	Water Quality Guidelines
WQOs	Water Quality Objectives
WRP	Water Resource Plan
WWTP	Waste Water Treatment Plant

UNITS

Time Intervals	
hr	hour
hr/d	hour per day
a	annum
Ma	megaannum
Mass	
µg	microgram
kg	kilogram
t	tonne
Bt	billion tonnes
t/a	tonnes per annum
t/h	tonnes per hour
Length	
µm	micrometre
mm	millimetre
cm	centimetre
m	metre
km	kilometre
mm/a	millimetres per year
Area	
m ²	square metre
ha	hectare
Volume	
m ³	cubic metre
L	litre
KL	kilolitre
ML	megalitre
Energy	
kV	kilovolt
kW	kilowatt
MW	megawatt
kJ/kg	kilojoule per kilogram
MWh	megawatt hour

Flow Rate	
m ³ /s	cubic metres per second
m ³ /d	cubic metres per day
L/min	litres per minute
L/s	litres per second
kg/d	kilogram per day
ML/d	megalitre per day
ML/a	megalitre per annum
Temperature	
°C	degrees Celsius
°F	degrees Fahrenheit
Concentration	
mg/L	milligrams per litre
Turbidity	
NTU	nephelometric turbidity units
Air Quality	
µg/m ³	micrograms per cubic metre (for TSP)
mg/m ² /day	milligrams per square metre per day (for particulate matter)
Rainfall	
mm/a	millimetres per annum
Salinity	
µS/cm	microsiemens per centimetre
dS/m	decisiemens per metre
Noise	
dB	decibel
dB(A)	decibel (A-Weighted scale)
Force	
kN	kilonewton