



SECTION 10

Abbreviations, Acronyms and Glossary

TABLE OF CONTENTS

10	ABBREVIATIONS, ACRONYMS AND GLOSSARY	10-1
10.1	ABBREVIATIONS AND ACRONYMS	10-1
10.2	GLOSSARY	10-5

10 ABBREVIATIONS, ACRONYMS AND GLOSSARY

10.1 ABBREVIATIONS AND ACRONYMS

%	per cent
°	degrees
µg/m ³	micrograms per cubic metre
µm	micrometres
µS/cm	microSiemens per centimetre
ACCC	Australian Competition and Consumer Commission
ACHA	Aboriginal Cultural Heritage Assessment
ACHCR	<i>Aboriginal cultural heritage consultation requirements for proponents 2010</i>
ADG Code	Australian Dangerous Goods Code
AEMR	Annual Environmental Management Report
AHD	Australian Height Datum
AHIMS	Aboriginal Heritage Information Management System
AHMP	Aboriginal Heritage Management Plan
AIP	NSW Aquifer Interference Policy
ALS	Airborne Laser Scanning
ANZECC	Australian and New Zealand Environmental and Conservation Council
AQGGMP	Air Quality and Greenhouse Gas Management Plan
AS	Australian Standard
AS/NZ	Australian/New Zealand Standard
AUTH	Authorisation

AUSRIVAS	Australian River Assessment System
BAM	Biodiversity Assessment Method
BC Act	<i>Biodiversity Conservation Act 2016</i>
BC Regulation	<i>Biodiversity Conservation Regulation 2017</i>
BCD	Biodiversity and Conservation Division
BDAR	Biodiversity Development Assessment Report
BFMC	Bush Fire Management Committee
BlueScope	BlueScope Steel (AIS) Pty Ltd
BoM	Bureau of Meteorology
CCL	Consolidated Coal Lease
CH ₄	Methane
CIV	Capital Investment Value
CMP	Conservation Management Plan
CMSC Act	<i>Coal Mine Subsidence Compensation Act 2017</i>
CO ₂	carbon dioxide
CO ₂ -e	carbon dioxide equivalent
CPI	Consumer Price Index
CPP	Coal Preparation Plant
CSSI	Critical State Significant Infrastructure
dB	decibel
DCCC	Dendrobium Community Consultative Committee
DCEC	Dendrobium Community Enhancement Committee
DCEP	Dendrobium Community Enhancement Program

DECC	Commonwealth Department of Environment and Climate Change	EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i>
DECCW	NSW Department of Environment, Climate Change and Water	EPL	Environment Protection Licence
DEM	Dust Extinction Moisture	ERA	Environmental Risk Assessment
DFZ	discontinuous fracture zone	ESD	Ecologically Sustainable Development
DISER	Commonwealth Department of Industry, Science, Energy and Resources	ETL	electricity transmission line
DNMS	directional noise monitoring system	EY	Ernst and Young Global Limited
DoP	Department of Planning	FM Act	<i>NSW Fisheries Management Act 1944</i>
DP&I	Department of Planning and Infrastructure	FRNSW	Fire and Rescue NSW
DPE	Department of Planning and Environment	FSL	Full Supply Levels
DPI	Department of Primary Industries	FTE	Full-Time Equivalent
DPIE	NSW Department of Planning, Industry and Environment	g/m ² /month	grams per square metre per month
DPIE-Water	Department of Planning, Industry and Environment – Water	GDE	Groundwater Dependant Ecosystems
DRE	Department of Resources and Energy	GGPL	Gordon Geotechniques Pty Ltd
EC	electrical conductivity	GHG Protocol	Greenhouse Gas Protocol
EDAW	EDAW Australia Pty Ltd	GST	Goods and Services Tax
EIS	Environmental Impact Statement	ha	hectares
EMS	Environmental Management Strategy	HAZOP	<i>Hazard and Operability Studies</i>
EP&A Act	<i>NSW Environmental Planning and Assessment Act 1979</i>	HEC	Hydro Engineering & Consulting Pty Ltd
EPI	Environmental Planning Instruments	HIPAP	Hazardous Industry Planning Advisory Paper
EP&A Regulation	<i>NSW Environmental Planning and Assessment Regulation 2021</i>	HIPAP No. 6	Hazardous Industry Planning Advisory Paper No. 6
EPA	NSW Environment Protection Authority	HVAS	High Volume Air Samplers
		IAPUM	Independent Advisory Panel for Underground Mining
		IBRA	Interim Biogeographic Regionalisation of Australia

ICNG	NSW <i>interim Construction Noise Guideline</i>	mm	millimetres
ICOMOS	International Council on Monuments and Sites	mm/m	millimetres per metre
IEPMC	Independent Expert Panel for Mining in the Catchment	MEG	Mining, Exploration and Geoscience (within the Department of Regional NSW)
IESC	Independent Expert Scientific Committee on Coal Seam Gas and Large Mining Development	mBGL	metres Below Ground Level
IMC	Illawarra Metallurgical Coal	ML/Day	Megalitres per Day
INP	Industrial Noise Policy	ML	Mining Lease
IPART	Independent Pricing and Regulatory Tribunal	MOP	Mining Operations Plan
IPC	Independent Planning Commission	MSEC	Mine Subsidence Engineering Consultants
IPM	Incremental Profile Method	Mt	million tonnes
ISO	<i>International Standards principles and Guidelines</i>	Mt CO ₂ -e	million tonnes of carbon dioxide equivalent
JBS&G	JBS&G Australia Pty Ltd	Mtpa	million tonnes per annum
KFH	Key Fish Habitat	MVA	Mine Ventilation Air
km	kilometres	NDCs	Nationally Determined Contributions
km ²	Square kilometres	NEPC	National Environment Protection Council
kV	kiloVolt	NGAF	<i>National Greenhouse Accounts Factors</i>
L	litre	NGER Act	<i>National Greenhouse and Energy Reporting Act 2007</i>
L/s	Litres per second	Niche	Niche Environment and Heritage
LALC	Local Aboriginal Land Council	NMP	<i>Dendrobium Mine Noise Management Plan</i>
L _{Aeq}	equivalent continuous noise level	NO _x	Oxides of Nitrogen
L _{AN}	statistical noise exceedance level	N ₂ O	Nitrous Oxide
LEP	local environmental plan	NorBE	Neutral or Beneficial Effect
LGA	Local Government Area	NPfl	NSW <i>Noise Policy for Industry</i>
LMP	Lighting Management Plan	NPW Regulation	National Parks and Wildlife Regulation 2019
m	metres	NPW Act	NSW <i>National Parks and Wildlife Act 1974</i>
m ³	cubic metres		

NPWS	NSW National Parks and Wildlife Service	RNP	NSW <i>Road Noise Policy</i>
NPV	Net Present Value	ROM	run-of-mine
NRAR	Natural Resources Access Regulator	SA3	Statistical Area Level 3
NSESD	National Strategy for Ecologically Sustainable Development	SAII	Serious and Irreversible Impact
NSW	New South Wales	SDS	Safety Data Sheet
NTS Corp Limited	Native Title Services Corporation Limited	SEARs	Secretary's Environmental Assessment Requirements
OEH	Office of Environment and Heritage	SEPPs	State Environmental Planning Policies
OU	Odour Units	SIA	Social Impact Assessment
PA	Project Approval	SILO	Scientific Information for Land Owners
PCI	Pulverised Coal Injection	SLR	SLR Consulting Australia Pty Ltd
PCT	Plant Community Types	SMP	Subsidence Management Plan
PHA	Preliminary Hazard Analysis	South32	South32 Limited
PKCT	Port Kembla Coal Terminal	SSI	State Significant Infrastructure
PM ₁₀	particulate matter with an equivalent aerodynamic diameter of 10 µm or less	t	tonnes
PM _{2.5}	particulate matter with an equivalent aerodynamic diameter of 2.5 µm or less	TARP	Trigger Action Response Plan
PoEO Act	NSW <i>Protection of the Environment Operations Act 1997</i>	t CO ₂ -e	tonnes of carbon dioxide equivalent
PSM	Pells Sullivan Meynink Consulting Pty Limited	TECs	Threatened Ecological Communities
PSTL	Project Specific Trigger Level	TfNSW	Transport for NSW
Ramboll	Ramboll Australia Pty Ltd	the previous application	Dendrobium Mine – Plan for the Future: Coal for Steelmaking
RBL	Rating Background Level	the Project	Dendrobium Mine Extension Project
RING	NSW <i>Rail Infrastructure Noise Guideline</i>	TMP	Traffic Management Plan
RMP	Rehabilitation Management Plan	TSR	Total Species Richness
RMS	Roads and Maritime Services	TSP	Total Suspended Particulates
		TTPP	The Transport Planning Partnership
		UNFCCC	United Nations Framework Convention on Climate Change

VLAMP	<i>Voluntary Land Acquisition and Mitigation Policy</i>	Baseline monitoring	Monitoring conducted over time to collect a body of information to define specific characteristics of an area (e.g. species occurrence or noise levels) prior to commencement of a specific activity.
WAL	Water Access Licence		
WBCSD	World Business Council of Sustainable Development		
WIMMCP	<i>Watercourse Impact, Monitoring, Management and Contingency Plan</i>	Biological diversity	The diversity of different species of plants, animals and micro-organisms, including the genes they contain, in the ecosystem of which they are part.
Wollondilly/ Wingecarribee BFMC	Wollondilly/Wingecarribee Bush Fire Management Committee		
WRI	World Resources Institute	Catchment	The entire land area from which water (e.g. rainfall) drains to a specific watercourse or water body.
10.2 GLOSSARY			
Alluvial	A general term for clay, silt, sand and gravel transported by water and deposited, on the bed of a flood plain, river or stream.	Coal Wash	By-product of the coal washing process generally comprising a mixture of carbonaceous shale and mudstone with minor quantities of sandstone and low-quality coal.
Ambient air quality	The all-encompassing air quality associated with a given environment. It is the cumulative result of emissions (e.g. dust, particulates) from many sources, both near and far.	Coking Coal	Self-coking coal with ash of less than 10% and volatile matter of 21-23%, excellent capacity for carrying 'soft' coking coals in a blend.
Amenity	Useful and enjoyable quality.	Conveyor	Fixed mechanical apparatus consisting of a continuous moving belt used to transport coal from one place to another.
Aquatic	Living in or on water, or concerning water.		
Aquifer	A sub-surface rock formation containing water in recoverable quantities.	Cross Section	A two-dimensional diagram of an object presented as if the object had been cut along its length.
Background	The condition (e.g. noise levels) already present in an area before the commencement of a specific activity.	Crusher	That part of a preparation plant where material is mechanically crushed into smaller pieces.
Baseflow	The discharge of sub-surface water into a stream (i.e. groundwater seepages).	Cyclone	A conical vessel that uses centrifugal action to separate particulate matter of differing specific gravity.

dB(A)	Decibels (A-weighted scale); unit used for most measurements of environmental noise; the scale is based upon typical responses of the human ear to sounds of different frequencies.	Gate roads	An underground roadway (tunnel) that provides access to a working longwall for continuous mining.
dB(L _{in})	Linear decibels; measurable effect of an event (e.g. blast) on air pressure including measurement of generated energy which is below the limit of human hearing.	Greenhouse gases	Gases with potential to cause climate change (e.g. methane, carbon dioxide and non-methane volatile organic compounds). Usually expressed in terms of carbon dioxide equivalent.
Drift	An underground passage driven through rock to access or intersect a coal seam.	Groundwater	All waters occurring below the land surface; the upper surface of the soils saturated by groundwater in any particular area is called the watertable.
Dyke	A sheet-like vertical intrusion of igneous rock cutting across the strata of older rocks.	Habitat	The particular local environment occupied by an organism.
Ecologically Sustainable Development (ESD)	Development that improves the quality of life, in a way that maintains the ecological processes on which life depends.	Hardstand areas	Flat or gently sloping surface that has been engineered such that it is suitable for trafficking by vehicles and/or infrastructure.
Ecosystem	An interacting system of animals, plants, other organisms and non-living parts of the environment.	Hopper	A container/bin used for holding coal material.
Electrical Conductivity (EC)	The ability of a substance (either solid, liquid or gas) to transmit electricity.	Hydraulic properties	Parameters which measure the rate at which water moves through a soil/rock mass.
Emission	The discharge of a substance (e.g. dust) into the environment.	Igneous	A rock which originated as molten magma from beneath the earth's surface and subsequently came to the surface as an extrusion, or remained below ground as an intrusion.
Fault	Major fracture of the earth's crust caused by the relative movement of the rock masses on either side.	Income	The amount of money or its equivalent received during a period of time in exchange for labour or services, from the sale of goods or property, or as profit from financial investments.
Fracturing	Fractures formed in a stream bed or rockbar which result in water diversion and reduced pool water levels.		

Infrastructure	The supporting installations and services that supply the needs of the Project.	pH	A measure of the degree of acidity or alkalinity of a solution; expressed numerically (logarithmically) on a scale of 1 to 14, on which 1 is most acid, 7 is neutral, and 14 is most basic (alkaline).
<i>In-situ</i>	A term used to distinguish material (e.g. soils, minerals, fossils, etc.) found in its original position of formation, deposition, or growth, as opposed to transported material.	Population	A group of individuals of one species in an area.
Inter-generational equity	That the present generation should ensure that the health, diversity and productivity of the environment is maintained or enhanced for the benefit of future generations.	Portal	The surface entry or exit point of an underground access passage.
Intra-generational equity	The concept that the present generation should ensure that the health, diversity and productivity of the environment is maintained or enhanced for the benefit of their own generation.	Potable water	Water of quality suitable for human consumption.
		Recharge	The addition of water to an aquifer, directly from the surface, indirectly from the unsaturated zone, or by discharge from overlying or underlying aquifer systems.
L_{Aeq}	The equivalent continuous noise level – the level of noise equivalent to the energy-average of noise levels occurring over a measurement period.	Rehabilitation	The restoration of a landscape and especially the vegetation following its disturbance.
Land capability	A method of land use assessment used to estimate the ability of the land to support a particular land use. Classification is based on an assessment of the land's biophysical characteristics.	Relative humidity	The ratio of actual moisture in the air to the amount the air could hold if saturated, at a given temperature.
Macroinvertebrate	Larger invertebrates (animals without backbones) which can be studied without a microscope.	Remnant vegetation	Native vegetation remaining after widespread clearing has taken place.
Permeability	The ability of a rock or soil to allow fluid to pass through it.	Riparian	Pertaining to, or situated on, the bank of a body of water, especially a watercourse such as a river.
		Run-of-mine (ROM)	Raw coal, stockpiled and used to feed the crusher in the coal preparation plant.
		Runoff	A portion of precipitation (rain, hail and snow) that flows across the ground surface as water.

Salinity

The total content of dissolved solids in groundwater or surface water, commonly expressed as parts of dissolved solids per million parts of solution, or milligrams of dissolved solids per litre of solution (mg/L).

Seepage

Liquid or fluid such as water, seeping or flowing from beneath the ground to the surface.

Spontaneous Combustion

Self-heating and ignition of a combustible material such as coal.

Stratigraphic

Stratigraphy – The branch of geology concerned with the origin, composition, sequence, and correlation of rock strata.

Substrate

An underlying layer (e.g. of sediment under water).

Terrestrial

Living or growing on the land.

Total suspended particulates (TSP)

Particulate matter suspended in solution of air.

Total suspended solids (TSS)

A common measure used to determine suspended solids concentrations in a waterbody and expressed in terms of mass per unit of volume (e.g. milligrams per litre).

Value-added

The difference between the value of a firm's output and the cost of the inputs of raw materials, components or services brought in to produce that output.

Ventilation Shaft

An opening on the land surface down to the underground workings in which fresh air is introduced or ventilation air is exhausted.