

LIST OF ABBREVIATIONS

°C	Celsius
µg/m ³	micrograms per cubic metre
µm	micro metre
µS/cm	micro Siemens per centimetre
µm	micron
AADT	Annual Average Daily Traffic
AARC	AustralAsian Resource Consultants Pty Ltd
ABCC	acid buffering characteristic curve
ACA	Aquatic Conservation Assessment
ACARP	Australian Coal Association Research Program
ACHA	<i>Aboriginal Cultural Heritage Act 2003</i>
ADD	Air Driven Displacement
AGE	Australasian Groundwater and Environmental Consultants
AGO	Australian Greenhouse Office
AHD	Australian Height Datum
AIS	air-insulated switch
Al	Aluminium
ALS	Australian Laboratory Services
AMD	Acid Mine Drainage
ANC	acid neutralising capacity
ANFO	Ammonium Nitrate Fuel Oil
ANZECC	Australian and New Zealand Environment and Conservation Council
ARD	Acid Rock Drainage

ARI	Average Recurrence Interval
Arkdale	Arkdale Proprietary Limited
As	Arsenic
ASK	ASK Consulting Engineers
ASX	Australian Stock Exchange
ATP	Exploration Permit Petroleum
AUSRIVAS	Australian Rivers Assessment System
AWBM	Australian Water Balance Model
bcm	bank cubic metre
BPA	Biodiversity Planning Assessment
BSC	Banana Shire Council
Building Act	<i>Building Act 1975</i>
CaCO ₃	Calcium carbonate
Ca : Mg	Exchangeable Calcium : Exchangeable Magnesium ratio
CDMP	Coal Dust Management Plan
CEC	Cation Exchange Capacity
CH ₄	Methane
CHMP	Cultural Heritage Management Plan
CHPP	Coal Handling and Preparation Plant
CIP	Community Investment Program
CLO	Community Liaison Officer
CLR	Contaminated Land Register
CMSHA	<i>Coal Mining Safety and Health Act 1999</i>
CO	Carbon Monoxide
Co	Cobalt
CO ₂	Carbon Dioxide
CO ₂ -e	Carbon Dioxide equivalent

COC	Local Chamber of Commerce
CRG	Community Reference Group
CSG	Coal Seam Gas
CSIRO	Commonwealth Scientific and Industrial Research Organisation
Cu	Copper
CY	Calendar year
dB	Decibel
dB(A)	A-weighted decibels
dB(Lin)	Linear decibels
DAFF	Department of Agriculture, Fisheries and Forestry
dB	decibel
DCC	Australian Department of Climate Change
DEEDI	Department of Employment, Economic Development and Innovation
DERM	Department of Environment and Resource Management
DEWS	Department of Energy and Water Supply
DFE	defined flood event
DME	Department of Mines and Energy
DNRM	Department of Natural Resources and Mines
DSDIP	Department of State Development, Infrastructure and Planning
DSITIA	Department of Science, Information Technology, Innovation and the Arts
DMCs	Dense Medium Cyclones
DO	Dissolved Oxygen
dS/m	deci Siemens per metre
DSEWPC	Department of Sustainability, Environment, Water, Population and Communities
DTMR	Department of Transport and Main Roads
EA	Environmental Authority

EC	Electrical Conductivity
EDCAAC	Earth Resources Observation Systems (EROS) Data Centre Distributed Active Archive Centre
EEO	<i>Energy Efficiency Opportunities Act 2006 (Cth)</i>
EGi	Environmental Geochemistry International
EIA	Economic Impact Assessment
EIL	Ecological Investigation Level
EIS	Environmental Impact Statement
ELR	Environmental Land Register
EM Plan	Environmental Management Plan
EMM	Environmental Monitoring Manual
EMOS	Environmental Management Overview Strategy
EMR	Environmental Management Register
EMS	Environmental Management System
EP Act	<i>Environment Protection Act 1994 (Qld)</i>
EP Regulation	<i>Environmental Protection Regulation 2008</i>
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999 (Cth)</i>
EPC	Exploratory Permit for Coal
EPCA	Exploration Permit Coal Application
EPP (Air)	<i>Environmental Protection (Air) Policy 2008</i>
EPP (Noise)	<i>Environmental Protection (Noise) Policy 2008</i>
EPP (Water)	<i>Environmental Protection (Water) Policy 2009</i>
EPP	Environment Protection Policy
EPR (Waste Management)	<i>Environmental Protection (Waste Management) Regulation 2000</i>
ERA	Environmentally Relevant Activity
ERE	Endangered Regional Ecosystems
Ergon	Ergon Energy Limited
EROS	Earth Resources Observation Systems

ESA	Equivalent Standard Axle
ESA	Environmentally Sensitive Area
ESD	Ecologically Sustainable Development
ESP	Exchangeable Sodium Percentage
FAQ	Frequently Asked Questions
Fe	Iron
FFG	Functional Feeding Group
FIFO	fly-in fly-out
Forestry Act	<i>Forestry Act 1959</i>
g/cc	grams per cubic centimetre
g/m ² /month	grams per metre squared per month
GAB	Great Artesian Basin
GAI	Geochemical Abundance Index
GBR	Great Barrier Reef
GDE	Groundwater Dependent Ecosystem
GGMP	Greenhouse Gas Management Plan
GHG	Greenhouse Gas
GIS	Geographic Information Systems
GJ/kL	Gigajoules per kilolitre
GP	General Practitioner
GPS	Global Positioning System
GQAL	Good Quality Agricultural Land
GSP	Gross State Product
GWP	Global Warming Potential
ha	hectare/s
HACC	Home and Community Care
HES	High Ecological Significance

HFCs	Hydrofluorocarbons
HGI	Hardgrove Grindability Index
HHMP	Historical Heritage Management Plan
HIL	Health Investigation Level
HME	Heavy Mining Equipment
HML	Higher Mass Limit
hr	hour
HV	heavy vehicle
Hz	Hertz
IAS	Initial Advice Statement
ICN	Industry Capability Network
IEA	International Energy Agency
ISQG	Interim Sediment Quality Guidelines
Ji	Injune Creek Group
kg H ₂ SO ₄ /t	kilograms of Sulfuric Acid per tonne
kg	kilogram
kg/hr	kilogram per hour
kg/yr	kilograms per year
kL	kilolitre
km	kilometre
km/hr	kilometre per hour
kt CO ₂ -e/yr	kilotonnes of carbon dioxide equivalents per year
kt	kilotonne
kV	kilovolt
kVA	kiloVolt-Amperes
kW	kilowatt
kWh	kilowatt hour

L	Litre
L/m ² /day	Litres per square metre per day
L/min	Litres per minute
L/s	Litres per second
L ₁₀ , L ₉₀	Noise levels exceeded 10% and 90% of the time
LAC	Local Ambulance Committees
LAN/WAN	Local/wide area network
L _{eq}	A-weighted energy average noise level
LGA	Local Government Area
LOR	Limit of Reporting
LoS	Level of Service
LP Act	<i>Land Protection (Pest and Stock Route Management) Act 2002 (Qld)</i>
LV	Low Voltage
m	metre
m/day	metres per day
m ²	square metre
m ³	cubic metre
m ³ /s	cubic metres per second
MCC	Motor Control Centre
MDL	Mineral Development Licence
mg/kg dry wt	milligrams per kilogram dry weight
mg/L	milligrams per Litre
MIA	Mine Infrastructure Area
Mj/kg	megajoules per kilogram
MI	Megalitres
ML	Mining Lease
ML/d	megalitres per day

MLA	Mining Lease Application
MLpa	million litres per annum
mm	millimetre
mm/s	millimetres per second
MMP	Mosquito Management Plan
Mn	Manganese
mPVC	modified Polyvinyl Chloride
MR Act	<i>Mineral Resources Act 1989 (Qld)</i>
mRL	Metre Reduced Level
MSDS	Material Data Safety Sheets
Mt	Million tonnes
Mtpa	Million tonnes per annum
MW	Megawatt
MWh	Megawatt hours
MWh/a	Megawatt hours per annum
N ₂ O	Nitrous oxide
NAF	Non Acid Forming
NAG	net acid generation
NAPP	net acid producing potential
NATA	National Association of Testing Authorities
NC Act	<i>Nature Conservation Act 1992 (Qld)</i>
NCWR	<i>Nature Conservation Wildlife Regulation 2006</i>
NEC	Northern Energy Corporation Limited
NEPM	National Environmental Protection Measures
NERS	neutral earthing resistors
New Hope	New Hope Corporation Limited
NGER Act	<i>National Greenhouse and Energy Reporting Act 2007 (Cth)</i>

Ni	Nickel
NO ₂	Nitrogen Dioxide
NPI	National Pollutant Inventory
OSCAR	Online System for Comprehensive Activity Reporting
PB	Parsons Brinckerhoff Australia Pty Ltd
Petroleum Act	<i>Petroleum and Gas (Production and Safety) Act 2004</i>
PFC	Projected Foliage Cover
PFCs	Perfluorocarbons
pH	the power of hydrogen
PLA	Petroleum Lease Application
PM ₁₀	particulate matter with equivalent aerodynamic diameters of 10 µm or less
PM _{2.5}	particles with equivalent aerodynamic diameters of 2.5 µm and less
PMF	probable maximum flood
PMP	probable maximum precipitation
PPP	Parcel Prospecting Permit
PPV	peak particle velocity
PSI	Preliminary Site Investigation
PWMP	Pest and Weed Management Plan
Qa	Quaternary Alluvium
QA/QC	Quality Assurance/Quality Control
QAS	Queensland Ambulance Service
QFRS	Queensland Fire and Rescue Service
QHA	<i>Queensland Heritage Act 1992</i>
QMEA	Queensland Minerals and Energy Academy
RCS	Remote Control Signalling
RE	Regional Ecosystem
REDD	Regional Ecosystem Description Database

REMP	Receiving Environment Monitoring Program
RL	Relative Level
RLCIP	Regional and Local Community Infrastructure Program
RMU	ring main unit
RO	Reverse Osmosis
ROM	Run-of-mine
ROP	Resource Operation Plan
ROPS	Rollover Protection Systems
RPD	Real Property Descriptions
RPDM	Road Planning and Design Manual
RPT	Regular Public Transport
RUMP	Road Use Management Plan
RW1	Raw Water Dam 1
S	Sulphur
SBR	Surat Basin Rail
SBSG	Surat Basin Seam Groups
SCL	Strategic Cropping Land
SCR	State Controlled Roads
SD	Sediment Dam
SERP	Surat Energy Resources Province
SF ₆	Sulphur hexafluoride
SHMS	Safety and Health Management System
SIA	Social Impact Assessment
SIGNAL	Stream Invertebrate Grade Number – Average Level
SIMP	Social Impact Management Plan
SLA	Statistical Local Area
SLR	Single-lens Reflex

SMU	Soil Management Unit
SO ₂	Sulphur Dioxide
SO ₄	Sulphate
SP Act	<i>Sustainable Planning Act 2009 (Qld)</i>
SPP	State Planning Policy
SRN	Stock Route Network
STP	Sewage Treatment Plant
SunWater	SunWater Limited
SWMS	Site Water Management System
t	tonne
TAFE	Technical and Further Education
TAPM	The Air Pollution Model
Taroom Coal	Taroom Coal Proprietary Limited
TDN	Tailings Dam North
TDNA	Tailings Dam North Alternative
TDP	Tailings Dam Pit
TDS	Total Dissolved Solids
TDS	Tailings Dam South
TI Act	<i>Transport Infrastructure Act 1994</i>
TJ	Terajoule
TMP	Traffic Management Plan
TMR	Trunked Mobile Radio
TOR	Terms of Reference
tpa	tonne per annum
tph	tonne per hour
TSF	Tailings Storage facility
TSP	Total Suspended Particulates

UC	Uncertain
USEPA	United States of America Environmental Protection Agency
V	Volt
VA	Volt Amperes
VM Act	<i>Vegetation Management Act 1999 (Qld)</i>
VMR	<i>Vegetation Management Regulation 2000</i>
VMU	Visual Management Unit
VOC	Volatile Organic Carbon
VoIP	Voice over internet protocol
VSD	variable speed drive
VVVF	variable voltage, variable frequency
WDRC	Western Downs Regional Council
WFPN1	Northern Water Fill Point
WFPS1	Southern Water Fill Point
WHO	World Health Organisation
WICET	Wiggins Island Coal Export Terminal
WIRP	Wiggins Island Rail Project
WMP	Waste Management Plan
WoNS	Weeds of National Significance
WPA	Wetland Protection Area
WQO	Water Quality Objective
WRP	Water Resource Plans
WSL	West Surat Link
VOC	Volatile Organic Compounds
Zn	Zinc