



# PROJECT CHINA STONE

## 27 ABBREVIATIONS

The following abbreviations are commonly used throughout this draft EIS.

ABBREVIATION/ ACRONYM	DEFINITION
ABS	Australian Bureau of Statistics
ACH Act	<i>Aboriginal Cultural Heritage Act 2003</i>
Adani	Adani Mining Pty Ltd
ADGC	Australian Dangerous Goods Code
AEP	Annual Exceedance Probability
AHC	Australian Heritage Council
AHC Act	<i>Australian Heritage Council Act 2003</i>
AHD	Australian Height Datum
ANZECC	Australian and New Zealand Environment Conservation Council
ANZECC guidelines	National Water Quality Management Strategy Paper 4: <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000)</i>
ARI	Average Recurrence Interval
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand
AS	Australian Standard
AS/NZS	Australian/New Zealand Standard
ATP or EPP	Exploration Permits for Petroleum
ATSIHP Act	<i>Aboriginal and Torres Strait Islander Heritage Protection Act 1984</i>
AusRivAs	Queensland Australian River Assessment System
AWBM	Australian Water Balance Model
BIBO	Bus-In Bus-Out
BoM	Bureau of Meteorology
Burdekin WRP	<i>Water Resource (Burdekin Basin) Plan 2007</i>
Burdekin WQIP	<i>Burdekin Water Quality Improvement Plan 2009</i>
°C	Degrees centigrade
°C/100 m	Degrees centigrade per 100 m
CAMBA	China-Australia Migratory Bird Agreement
CASA	Civil Aviation Safety Authority
CCM&RP	Carmichael Coal Mine and Rail Project

ABBREVIATION/ ACRONYM	DEFINITION
CG	Coordinator-General
CGE	computable general equilibrium
CHMP	Cultural Heritage Management Plan
CHPP	Coal Handling and Preparation Plants
CIE	Centre for International Economics
CIS	Community Information Sheet
CLR	Contaminated Land Register
CMSH Act	<i>Coal Mining Safety and Health Act 1999</i>
CO	Carbon monoxide
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent
CTRC	Charters Towers Regional Council
DAF	Department of Agriculture and Fisheries
Dangerous Goods Act	<i>Dangerous Goods Safety Management Act 2001</i>
DATSIMA	Department of Aboriginal and Torres Strait Islander and Multicultural Affairs
dB	decibel
dBA	decibel (A-weighted)
dBL	decibel (linear)
DCCSDS	Department of Communities, Child Safety and Disability Services
DET	Department of Education and Training
DHPW	Department of Housing and Public Works
DME	Department of Mines and Energy
DME guidelines	<i>Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland</i>
DNRM	Department of Natural Resources and Mines
DotE	Department of the Environment
DSA	Design Storage Allowance
DSDIP	Department of State Development, Infrastructure and Planning
DSDIP SIA Guideline	<i>Social Impact Assessment Guideline</i>
E	Endangered (flora and fauna species)
EA	Environmental Authority
EC	Electrical Conductivity

ABBREVIATION/ ACRONYM	DEFINITION
EET	Emission Estimation Technique
EHP	Department of Environment and Heritage Protection
EIS	Environmental Impact Statement
EMR	Environmental Management Register
EMS	Environmental Management System
ENM	Environmental Noise Model
EO Act	<i>Environmental Offsets Act 2014</i>
EP Act	<i>Environmental Protection Act 1994</i>
EP Regulation	<i>Environmental Protection Regulation 2008</i>
EPA	Queensland Environmental Protection Agency (former)
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i>
EPC	Exploration Permit for Coal
EPP	Environmental Protection Policy
EPP Air / Air EPP	<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>
EPR Waste	<i>Environmental Protection (Waste Management) Regulation 2000</i>
EPR	Emergency Preparedness and Response
ERA	Environmentally Relevant Activity
ERMP	Emergency Response Management Plan
ESCP	Erosion and Sediment Control Plan
ESD	Ecologically Sustainable Development
ESS	Extreme Storm Storage
EVNT	Endangered, Vulnerable or Near Threatened
Explosives Act	<i>Explosives Act 1999</i>
FA	Financial Assurance
FIFO	Fly-In Fly-Out
Fisheries Act	<i>Fisheries Act 1994</i>
Forestry Act	<i>Forestry Act 1959</i>
FOS	Factors of Safety
GAB	Great Artesian Basin
GAB WRP	<i>Water Resource (Great Artesian Basin) Plan 2006</i>

ABBREVIATION/ ACRONYM	DEFINITION
GARD Guide	<i>Global Acid Rock Drainage Guide</i>
GBSDA	Galilee Basin State Development Area
GDE	Groundwater Dependant Ecosystem
GES wetland	Wetlands of General Ecological Significance
GHG	Greenhouse Gas
GL	Giga Litres
GRP	Gross Regional Product
GWh	Gigawatt hours
GWh/year	Gigawatt hours per year
ha	hectare
HES	High Ecological Significance
HES wetland	Wetlands of High Ecological Significance
HIPAPs	<i>Hazardous Industry Planning Advisory Papers</i>
Hz	Hertz
INAP	International Network on Acid Prevention
IPP	Indigenous Participation Plan
IRC	Isaac Regional Council
IRMP	Integrated Risk Management Plan
ISO	International Standards Organisation
JAMBA	Japan-Australia Migratory Bird Agreement
JORC code	Australian Code for Reporting of Mineral Resources and Ore Reserves
kg	kilogram
kL	kilolitre
kL/day	Kilolitre per day
kL/year	Kilolitre per year
KLC	Kinetic Leach Column
km	kilometre
km/hr	kilometres/hour
KPI	Key Performance Indicators
L	Litres
L/s	Litres per second
LA <sub>10,18hr</sub>	Average maximum noise level over an 18 hour period

ABBREVIATION/ ACRONYM	DEFINITION
LA <sub>90,15min</sub>	Level exceeded 90% of the time in a 15 minute period
LA <sub>eq,adj,15min</sub>	Equivalent continuous noise level over a 15 minute period including any relevant adjustments
LA <sub>1,adj,15min</sub>	Level exceeded 1% of the time over a 15 minute period including any relevant adjustments
LA <sub>eq</sub>	Equivalent continuous noise level
LA <sub>max</sub>	maximum noise level
LFC	Landscape Fragmentation and Connectivity
LGA	Local Government Area
LP Act	<i>Land Protection (Pest and Stock Route Management) Act 2002</i>
LPG	Liquefied Petroleum Gas
LSAT	Land Suitability Assessment Techniques
LTCC	Longwall Top Coal Caving
M	Million
m	metres
m <sup>3</sup>	cubic meters
MacMines	MacMines Austasia Pty Ltd
m/day	Metres per day
MDLA	Mineral Development Licence Application
Meijin	Shanxi Meijin Energy Group Limited
mg/m <sup>3</sup>	milligrams/cubic metre
mg/m <sup>2</sup> /day	milligrams/square metre/day
Mackay Region	Mackay, Isaac and Whitsunday Region
MCP	Mine Closure Plan
MIA	Mine Industrial Area
MIBC	Methyl Isobutyl Carbinol
MIC	Maximum Instantaneous Charge
MIW	Mackay, Isaac and Whitsunday
MIW Regional Plan	<i>Mackay, Isaac and Whitsunday Regional Plan</i>
ML	Mining Lease
MLA	Mining Lease Application
ML/year	Mega litres per year
mm	millimetres
Mm <sup>3</sup>	Million cubic metres

ABBREVIATION/ ACRONYM	DEFINITION
MPP	Moray Power Project
MR Act	<i>Mineral Resources Act 1989</i>
MNES	Matters of National Environmental Significance
MRL	Mandatory Reporting Level
mm/s	millimetres/second
m/s	metres/second
MSDS	Material Safety Data Sheet
MSES	Matters of State Environmental Significance
Mtpa	million tonnes per annum
MW	Megawatt
N/A	Not applicable
NA	Notifiable Activity
Native Title Act	<i>Native Title Act 1993</i>
NC Act	<i>Nature Conservation Act 1992</i>
NC Regulation	<i>Nature Conservation (Wildlife) Regulation 2006</i>
NC WM Regulation	<i>Nature Conservation (Wildlife Management) Regulation 2006</i>
NGER	<i>National Greenhouse and Energy Reporting</i>
NGER Act	<i>National Greenhouse and Energy Reporting Act 2007</i>
No.	Number
NO <sub>2</sub>	Nitrogen dioxide
NOHSC	National Occupational Health and Safety Commission
NPI	National Pollutant Inventory
NQ	North Queensland
NSW	New South Wales
NVBG	<i>Noise and Vibration from Blasting Guideline</i>
OEL	Occupational exposure limit
OESR	Office of Economic and Statistical Research
OHS	Occupational Health and Safety
OME	Ontario Ministry of the Environment
Operations Phase 1	Project Years 6-31
Operations Phase 2	Project Years 32-49
PETN	Pentaerythritol tetranitrate

ABBREVIATION/ ACRONYM	DEFINITION
pH	A measure of acidity on a scale of 0-14
PHA	Preliminary Hazard Analysis
PHMP	Principle Hazard Management Plans
PM <sub>2.5</sub>	Particulate matter with a diameter less than 2.5 µm
PM <sub>10</sub>	Particulate matter with a diameter less than 10 µm
PMF	Probable Maximum Flood
PNCG	Planning for Noise Control Guideline
PoO	Plan of Operations
PPE	Personal Protection Equipment
PPV	Peak Particle Velocity
PSWSF	Power Station Waste Storage Facility
QAS	Queensland Ambulance Service
QFES	Queensland Fire and Emergency Services
QFRS	Queensland Fire and Rescue Service
QEOP	<i>Queensland Environmental Offsets Policy 2014</i>
QH	Queensland Health
QHA	<i>Queensland Heritage Act 1992</i>
QHC	Queensland Heritage Council
QPS	Queensland Police Service
QRC	Queensland Resources Council
QWQG	<i>Queensland Water Quality Guidelines</i>
RA	restricted area
RE	Regional Ecosystem
REMP	Receiving Environment Monitoring Program
RH	Relative Humidity
RIA	Road Impact Assessment
RMP	Rehabilitation Management Plan
ROKAMBA	Republic of Korea-Australia Migratory Bird Agreement
ROM	Run of Mine
RPI Act	<i>Regional Planning Interests Act 2014</i>
RPI Regulation	<i>Regional Planning Interest Regulation 2014</i>
SA	Statistical Area



ABBREVIATION/ ACRONYM	DEFINITION
SDAP	State Development Assessment Provisions
SDPS	Surface Deformation Prediction System
SDPWO Act	<i>State Development and Public Works Organisation Act 1971</i>
SEIS	Supplementary Environmental Impact Statement
SEQ	South-East Queensland
SEWPaC	Department of Sustainability, Environment, Water, Population and Communities (former)
SHMS	Safety and Health Management System
SIA	Socio-economic Impact Assessment
SMU	Soil Mapping Unit
SO <sub>2</sub>	Sulfur dioxide
SP Act	<i>Sustainable Planning Act 2009</i>
SPP	<i>State Planning Policy 2014</i>
SPQ	Single Person Quarters
t	tonnes
TCC	Townsville City Council
TCEQ	Texas Commission on Environmental Quality (USA)
tCO <sub>2</sub> e/year	tonnes of carbon dioxide equivalent/year
the project	Project China Stone
TMR	Department of Transport and Main Roads
TO Act	<i>Transport Operations (Road Use Management) Act 1995</i>
TOR	Terms of Reference
TORUM Act	<i>Transport Operations (Road Use Management) Act 1995</i>
TSF	Tailings Storage Facility
TSP	Total Suspended Particulate
TSP	Training and Skilling Plan
TSS	Total Suspended Solids
UN	United Nations
UVCE	Unconfined Vapour Cloud Explosion
V	Vulnerable (flora and fauna species)
VM Act	<i>Vegetation Management Act 1999</i>
VPD	Vehicles Per Day
VWP	Vibrating Wire Piezometer

ABBREVIATION/ ACRONYM	DEFINITION
Water Act	<i>Water Act 2000</i>
Water Regulation	<i>Water Regulation 2002</i>
WHS Act	<i>Work Health and Safety Act 2011</i>
Wild Rivers Act	<i>Wild Rivers Act 2005</i>
WPA	Wetland Protection Area
WRP	Water Resource Plan
WRR Act	<i>Waste Reduction and Recycling Act 2011</i>
WRR Regulation	<i>Waste Reduction and Recycling Regulation 2011</i>
$\mu\text{g}/\text{m}^3$	micrograms/cubic metre
$\mu\text{m}$	Micrometer
$\mu\text{S}/\text{cm}$	micro-Siemens/centimetre