



Taroborah Coal Project

Environmental Impact Statement

List of Abbreviations

Prepared for:
Shenhua International Group Pty Ltd



LIST OF ABBREVIATIONS

°C	-	degrees Celsius
µg/m ³	-	micrograms per cubic metre
µm	-	micrometre
µS	-	microSiemens
µS/cm	-	microSiemens per centimetre
AADT	-	Annual average daily traffic
AARC	-	AustralAsian Resource Consultants Pty Ltd
ABA	-	Acid Base Accounting
ABCC	-	acid buffering characteristic curve
ABN	-	Australian Business Number
ABS	-	Australian Bureau of Statistics
ACHA	-	<i>Aboriginal Cultural Heritage Act 2003</i>
ad	-	air dried
ADG	-	Australian Dangerous Goods
AEP	-	Annual Exceedance Probability
AES	-	Aggregate Environmental Score
AFC	-	armoured face conveyor
AGE	-	Australasian Groundwater and Environment Pty Ltd
AHD	-	Australian Height Datum
ALCAM	-	Australian Level Crossing Assessment Model
AMD	-	Acid Mine Drainage
ANC	-	acid neutralising capacity
ANFO	-	Ammonium nitrate fuel oil
ANZSCO	-	Australian and New Zealand Standard Classification of Occupations
ANZSIC	-	Australian and New Zealand Standard Industrial Classification
AQMP	-	Air Quality Management Plan
ar	-	as received

ASK	-	ASK Consulting Engineers Pty Ltd
AST	-	Above Ground Storage Tank
bcm / t	-	bank cubic metres per tonne
bgl	-	below ground level
BIBO	-	Bus-In Bus-out
BOD	-	biochemical oxygen demand
BOM	-	Bureau of Meteorology
CBA	-	Cost Benefit Analysis
CCC	-	Community Consultative Committee
CDEP	-	Community Development Employment Projects
CEA	-	<i>Clean Energy Act 2011 (Cth)</i>
CH ₄	-	Methane
CHMP	-	Cultural Heritage Management Plan
CHPP	-	Coal Handling and Preparation Plant
CHRC	-	Central Highlands Regional Council
CIP	-	Community Investment Program
CLR	-	Contaminated Land Register
cm	-	centimetres
COC	-	Chamber of Commerce
CO ₂	-	Carbon dioxide
CO ₂ -e	-	carbon dioxide equivalents
CPP	-	Coal Preparation Plant
CPPWRD	-	A Coal Processing Plant Waste Recycle Dam
CRG	-	Community Reference Group
Cth	-	Commonwealth
CQID	-	Central Queensland Indigenous Development
CQU	-	Central Queensland University
DAFF	-	Department of Agriculture, Fisheries and Forestry
DATSIMA	-	Department of Aboriginal and Torres Strait Islander and Multicultural

Affairs

dBa	- 'A' weighted decibels
DCCEE	- Department of Climate Change and Energy Efficiency
DCS	- Department of Community and Safety
DEEWR	- Department of Education, Employment and Workplace Relations
DEHP	- Department of Environment and Heritage Protection
DERM	- Department of Environment and Resource Management
DIDO	- Drive-In-Drive-Out
DJAG	- Department of Justice and Attorney General
DMC	- dense medium cyclones
DNRM	- Department of Natural Resources and Mines
DO	- dissolved oxygen
DSDIP	- Department of State Development, Infrastructure and Planning
DSEWPaC	- Department of Sustainability, Environment, Water, Population and Communities
DTMR	- Department of Transport and Main Roads
dwt	- deadweight tonnes
EA	- Environmental Authority
EC	- electrical conductivity
ECEC	- Effective Cation Exchange Capacity
EEO Act	- <i>Energy Efficiency Opportunities Act 2006</i>
EGi	- Environmental Geochemistry International Pty Ltd
EHP	- Environment and Heritage Protection
EIS	- Environmental Impact Statement
EM Plan	- Environmental Management Plan
EMR	- Environmental Management Register
ENSO	- El Niño Southern Oscillation
EOP	- Commonwealth Environmental Offsets Policy 2012
EP Act	- <i>Environmental Protection Act 1994</i>

EP Regulation	-	<i>Environmental Protection Regulation 2008</i>
EPBC Act	-	<i>Environment Protection and Biodiversity Conservation Act 1999</i>
EPC	-	Exploration Permit for Coal
EPM	-	Exploration Permit for Minerals
EPP	-	Environmental Protection Policies
EPP	-	Exploration Permit for Petroleum
EPP (Air)	-	<i>Environmental Protection (Air) Policy 2008</i>
EPP (Noise)	-	<i>The Environmental Protection (Noise) Policy 2008</i>
EPP (Water)	-	<i>Environmental Protection (Water) Policy 2009</i>
EPR (Waste Management)	-	<i>Environmental Protection (Waste Management) Regulation 2000</i>
ERA	-	Environmentally Relevant Activity
ERE	-	Endangered Regional Ecosystem
ERP	-	Emergency Response Plan
ESA	-	Environmentally Sensitive Area
ESA	-	equivalent standard axles
ESD	-	ecologically sustainable development
ESDSC	-	National Strategy for Ecologically Sustainable Development
ESP	-	Exchangeable Sodium Percentage
Explosives Act	-	<i>Explosives Act 1999</i>
Explosives Regulation	-	<i>Explosives Regulation 2003</i>
EV	-	Environmental Values
FBA	-	Fitzroy Basin Association
FIFO	-	Fly-In-Fly-Out
Forestry Act	-	<i>Forestry Act 1959</i>
FTE	-	Full-time Equivalent
g/s	-	grams per second
GAI	-	Geochemical Abundance Index
GARID	-	<i>Guidelines for Assessment of Road Impacts of Development</i>
GCL	-	Geosynthetic Clay Liner

GDE	-	Groundwater Dependent Ecosystems
GHG	-	Greenhouse Gas
GHS	-	Globally Harmonised System
GPs	-	General Practitioners
GPS	-	Global Positioning System
GQAL	-	Good Quality Agricultural Land
Greentape Reduction Act	-	<i>Environmental Protection (Greentape Reduction) and Other Legislation Amendment Act 2012</i>
GRP	-	Gross Regional Product
GSP	-	Gross State Product
GWP	-	Global Warming Potential
h	-	hour
ha	-	hectare
HACC	-	Home and Community Care
HAZOP	-	Hazard and Operability
HIPAPs	-	Hazardous Industry Planning Advisory Papers
Hz	-	hertz
HFC	-	Hydrofluorocarbons
HHMP	-	Historic Heritage Management Plan
HML	-	higher mass limit
IBCs	-	Intermediate Bulk Containers
ICN	-	Industry Capability Network
ICOMOS	-	International Council on Monuments and Sites
IEA	-	International Energy Agency
IESC	-	Independent Expert Scientific Committee
ILUA	-	Indigenous Land Use Agreement
IMC	-	IMC Mining Group Pty Ltd
IPCC	-	Intergovernmental Panel on Climate Change
IRMP	-	Integrated Risk Management Plan

IRR	- internal rate of return
ISQG	- Interim Sediment Quality Guidelines
JORC	- Joint Ore Reserves Committee
kg	- kilograms
kg/m	- kilograms per metre
kHz	- kilohertz
kL	- kilolitre
km	- kilometres
km/h	- kilometres per hour
kt	- kilotonne
kV	- kilovolt
kWh/annum	- kilowatt-hours per year
L	- Litre
LC	- low confidence
lcm	- loose cubic metres
LGA	- Local Government Area
LG Act	- <i>Local Government Act 2011</i>
LHD	- load haul dumps
LIPP	- Local Industry Participation Plan
LOX	- lines of oxidation
LP Act	- <i>Land Protection (Pest and Stock Route Management) Act 2002</i>
LRI	- Land Resources Inventory
L/sec	- Litres per second
LW	- longwall
m	- metres
M	- Million
M	- Medium
m ³	- cubic metres
m ³ / day	- cubic metres per day

mbgl	- metres below ground level
MDL	- Mineral Development License
MDLA	- Mineral Development Licence Application
mg	- milligrams
MG	- Maingate
mg/L	- milligrams per Litre
MIA	- Mine Infrastructure Area
MJ/m ²	- Megajoules per square metre
MJO	- Madden-Julian Oscillations
ML	- Mining Lease
MI	- megalitres
MLA	- Mining Lease Application
mm	- millimetres
mm/m	- millistrains
mm/s	- millimetres per second
MNES	- Matters of National Environmental Significance
MPa	- megapascal
MPA	- maximum potential acidity
MR Act	- <i>Mineral Resources Act 1989</i>
MRL	- Mandatory Reporting Level
m/s	- metres per second
MSDS	- Material Safety Data Sheets
Mt	- million tonnes
Mtce	- million tonnes coal equivalent
Mtpa	- million tonnes per annum
Mva	- mega volt amps
MW	- megawatt
MWD	- Mine Wastewater Dam
MWpa	- megawatts per annum

N ₂ O	-	Nitrous oxide
NAF	-	non-acid forming
NAG	-	net acid generation
NAPP	-	net acid producing potential
NC Act	-	<i>Nature Conservation Act 1992</i>
NCWR	-	<i>Nature Conservation Wildlife Regulation 2006</i>
NEPM	-	National Environment Protection Measure
NGER	-	<i>National Greenhouse and Energy Reporting Act 2007 (Cth)</i>
NPI	-	National Pollutant Inventory
NPR	-	net potential ratio
NPV	-	Net Present Values
NRW	-	Non-resident worker
NSW	-	New South Wales
NTU	-	Nephelometric Turbidity Unit
OEH	-	NSW Office of Environmental and Heritage
OHA	-	Operational Hazard Analysis
OSD	-	Out of Seam Dilution
ou	-	odour units
PAF	-	potentially acid forming
PAWC	-	Plant Available Water Content
PBPL	-	Port of Brisbane Pty Ltd
PDO	-	Pacific Decadal Oscillation
PFC	-	Perfluorocarbons
PFS	-	Pre-Feasibility Study
pH	-	hydrogen ion concentration
PHA	-	Preliminary Hazard Analysis
PM ₁₀	-	Particulate Matter with an equivalent aerodynamic diameter of 10µm
PM _{2.5}	-	Particulate Matter with an equivalent aerodynamic diameter of 2.5µm
PoO	-	Plan of Operations

PPE	- personal protective equipment
ppm	- parts per million
PPV	- peak particle velocity
PSI	- preliminary site investigation
QAS	- Queensland Ambulance Service
QBOP	- <i>Queensland Government Biodiversity Offset Policy 2011</i>
QH Act	- <i>Queensland Heritage Act 1992</i>
QLD	- Queensland
QMAN	- Quarry Material Allocation Notices
QNLRM	- Queensland Non-Linear Regional Model
QR	- Queensland Rail
QRL	- Queensland Rail Limited
QRFS	- Queensland Rescue and Fire Service
QRN	- Queensland Rail National Pty Ltd
ou	- odour units
RDAF	- Regional Development Australia Fund
RE	- Regional Ecosystems
REDD	- Regional Ecosystem Description Database
ROM	- run of mine
RPD	- Real Property Description
RTA	- Residential Tenancies Authority
S	- sulphur
SCL	- Strategic Cropping Land
SCR	- State Controlled Road
SDPS	- Surface Deformation Prediction Software
SEID	- Socio-Economic Index of Disadvantage
SF ₆	- Sulphur hexafluoride
Shenhua	- Shenhua International Group Pty Ltd
SIA	- Social Impact Assessment

SIGNAL	- Stream Invertebrate Grade Number – Average Level
SIMP	- Social Impact Management Plan
SMU	- Soil Management Unit
SP Act	- <i>Sustainable Planning Act 2009</i>
SPPs	- State Planning Policies
SRN	- stock route network
STP	- Sewage Treatment Plant
SWMP	- Site Water Management Plan
t / m ³	- tonnes per cubic metre
t	- tonne
TAFE	- Technical and Further Education
TAL	- Tonnes per axle load
TARP	- Trigger Action Response Plans
TEV	- Total Economic Value
TI Act	- <i>Transport Infrastructure Act 1994</i>
TJ	- terrajoules
TLO	- train load out
TO	- Traditional Owner
TOR	- Terms of Reference
tph	- tonnes per hour
TSP	- Total Suspended Particulate
UC	- Uncertain
UCS	- uniaxial compressive strength
UNFCCC	- United Nations Framework Convention on Climate Change
UV	- Ultraviolet
V:H	- vertical to height ratio
VM Act	- <i>Vegetation Management Act 1999</i>
VMU	- Visual Management Unit
VMR	- <i>Vegetation Management Regulation 2012</i>

VVVF	-	Variable Voltage Variable Frequency
YoY	-	Year on Year
W/h	-	Watts per hour
WHO	-	World Health Organisation
WICET	-	Wiggins Island Coal Export Terminal
WIRP	-	Wiggins Island Rail Project
WMP	-	Waste Management Plan
WONS	-	Weed of National Significance
WQO	-	Water Quality Objectives