



MOOLARBEN COAL PROJECT

Stage 2

Abbreviations

ABBREVIATIONS

A	
AADT average annual daily traffic	CPP coal processing plant
ABARE Australian Bureau of Agricultural and Resource Economics	Cr chromium
ABC Australian Broadcasting Corporation	CSIRO Commonwealth Scientific and Industrial Research Organisation (Commonwealth)
ABS Australian Bureau of Statistics	Cu copper
ACARP Australian Coal Association Research Program	D
AEMR Annual Environmental Management Report	dB decibel
AGO Australian Greenhouse Office	dB(A) A-weighted decibel
AHD Australian Height Datum	dB(L) linear decibel
AHIMS Aboriginal Heritage Information Management System	DCC Department of Climate Change (Commonwealth)
Al aluminium	DCLM Department of Conservation and Land Management (NSW)
ANFO ammonium nitrate fuel oil	DEC Department of Environment and Conservation (NSW) (now DECC)
ANZECC Australian and New Zealand Environment and Conservation Council	DECC Department of Environment and Climate Change (NSW)
ANZMEC Australia and New Zealand Minerals and Energy Council	DEWHA Department of Environment, Water, Heritage and the Arts (Commonwealth)
ARAS Archaeological Risk Assessment Services Pty Ltd	DGRs Director-General's Requirements
ARD acid rock drainage	DIPNR Department of Infrastructure, Planning and Natural Resources (NSW)
ARI average recurrence interval	DITR Department of Industry, Tourism and Resources (Commonwealth)
ARTC Australian Rail Track Corporation	DLWC Department of Land and Water Conservation (NSW)
AS Australian Standard	DMC Dense Medium Cyclone
As arsenic	DMR Department of Mineral Resources (NSW)
B	DoP Department of Planning (NSW)
BACI Before After Control Impact	DPI Department of Primary Industries (NSW)
BATEA best available technology economically achievable	DPI-MR Department of Primary Industries – Mineral Resources (NSW)
Bcm Bank cubic metre	DSC Dam Safety Committee
C	DWE Department of Water and Energy (NSW)
Ca calcium	DWSP Draft Water Sharing Plan
CASA Civil Aviation Safety Authority (Commonwealth)	E
CCC Community Consultative Committee	EA Environmental Assessment
CCSD Cooperative Research Centre for Coal in Sustainable Development	EAR Environmental Assessment Requirements
Cd cadmium	EAT Emmerson Aggregate Test
CEEC Critically Endangered Ecological Community	EC electrical conductivity
CH₄ methane	EEC Endangered Ecological Communities
CHPP coal handling and preparation plant	EL Exploration Licence
CLET Centre for Low Emission Technology	
CM continuous miner	
CMA Catchment Management Authority	
CO₂ carbon dioxide	

EMP environmental management plan
EMS environmental management strategy
ENCM Environmental Noise Control Manual (EPA, 1994)
ENM environmental noise model
EP endangered population
EP&A Act *Environmental Planning and Assessment Act 1979* (NSW)
EP&A Regs *Environmental Planning and Assessment Regulation 2000* (NSW)
EPA Environment Protection Authority (NSW)
EPBC Act *Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth)
EPL Environment Protection Licence
ERC Energy Recycling Corporation
ESAP Energy Savings Action Plan
ESD Ecologically Sustainable Development
EST Eastern Standard Time

F

Fe Iron
FM Act *Fisheries Management Act 1994*
FRL Felix Resources Limited

G

g/m²/month grams per square metre per month
GDE Groundwater Dependant Ecosystems
GJ Gigajoules

H

ha hectares
HCR CMA Hunter Central Rivers Catchment Management Authority
Hg mercury
HRSTS Hunter River Salinity Trading Scheme
HVAS high volume air sampler
HVRF Hunter Valley Research Foundation
HVS high volume sampler

I

ICOMOS International Council on Monuments and Sites
IEA International Energy Agency
IEAust Institute of Engineers (Australia)
IHAP Independent Hearing and Assessment Panel
INP Industrial Noise Policy
IPCC Intergovernmental Panel on Climate Change

J

JAMMEL JAMMEL Environmental and Planning Services Pty. Ltd.
JCB Joint Coal Board

K

kcal kilocalories
kg kilograms
kL kilolitres
km kilometres
kph kilometres per hour
kV kilovolt
kV kilovolt (1000 volts)

L

L litre
LEP Local Environmental Plan
LGA Local Government Area
LoS Level of Service
LRMP Landscape Rehabilitation Management Plan

M

m metres
m/s metres per second
Mbcm million bank cubic metres
MCA Minerals Council of Australia
MCECCC Moolarben Coal Exploration Community Consultative Community
MCM Moolarben Coal Mines Pty Limited
MCP Moolarben Coal Project
MCPCCC Moolarben Coal Project Community Consultative Community
Mg magnesium
MIC maximum instantaneous charge
MJ megajoules
ML megalitres
µg/m³ micrograms per cubic metre
mL millilitres
ML Mining Lease
MLA Mining Lease Application
mm millimetres
Mn manganese
MOP Mining Operation Plan
MR Main Road
MRT Mine Rescue Team
MSB Mine Subsidence Board
MSDS Material Safety Data Sheets
MSEC Mine Subsidence Engineering Consultants Pty Limited
Mt million tonnes
Mtpa million tonnes per annum
MUSIC Model for Urban Stormwater Improvement
MVKT Million Vehicle Kilometres Travelled
MWh megawatt hours
MWRC Mid-Western Regional Council
MWRILEP Mid Western Regional Interim Local Environmental Plan
MWRLGA Mid Western Regional Local Government Area

N

N₂O nitrous oxide

STAGE 2

Na sodium
NAF non-acid forming
NCCN Network Control Centre North
NERDDC National Energy Research Development and Demonstration Council
NPWS National Parks and Wildlife Service (NSW)
NSW New South Wales
NSWMC New South Wales Minerals Council
NTU Nephelometric Turbidity Unit

O

OC open cut

P

PAD potential archaeological deposit
PAF potentially acid-forming
PAF-LC potentially acid-forming low capacity
Pb lead
PDP Project Development Plan
PFM Planning Focus Meeting
pH A measure of the concentration of hydrogen ions or essentially acidity / alkalinity, typically a scale of 0 (acidic) to 14 (alkaline), where pH is 7 neutral.
PHA Preliminary Hazard Analysis
PM₁₀ particulate matter with a diameter less than 10 micrometres
POEO Act *Protection of the Environment Operations Act 1997* (NSW)
poly pipe polyethylene pipe lines
ppm parts per million
PSMP Property Subsidence Management Plan

Q

QEMR Quarterly Environmental Management Report

R

RBL rating background level
RCE riparian channel environment
RFS Rural Fire Service (NSW)
RH relative humidity
ROM run-of-mine
ROMP Rehabilitation Offset Management Plan
RTA Roads and Traffic Authority (NSW)
RTNP Environmental Criteria for Road Traffic Noise (EPA 1999)

S

SCMP Spontaneous Combustion Management Plan
Se selenium
SEPP State Environmental Planning Policy

SEPP (Mining) State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

SEPP (Major Projects) State Environmental Planning Policy (Major Projects) 2005

SGWRP Surface and Groundwater Response Plan

SIGNL Stream Invertebrate Grade Number Average Level

SISD Safe Intersection Site Distance

SKM Sinclair Knight Merz

SMP Subsidence Management Plan

SOC Statement of Commitments

SO₄ sulfate

SWMP Site Water Management Plan

T

t tonne

TAPM The Air Pollution Model

TDS Total Dissolved Solids

TEOM Tapered Element Oscillating Microbalances

tph tonnes per hour

TSC Act *Threatened Species Conservation Act 1995* (NSW)

TSP total suspended particulate matter, usually in the size range of zero to 50 micrometres

TSR travelling stock reserve

TSS total suspended solids

TSU Terrestrial Stratification Unit

U

UCC ultra clean coal

UCML Ulan Coal Mines Limited

UG underground

UN United Nations

UNFCCC United Nations Framework Convention of Climate Change

V

VCA Voluntary Conservation Agreement

Veritas Veritas Archaeology and History Service

VPA Voluntary Planning Agreement

W

WBYBBRW White Box Yellow Box Blakely's Redgum Woodland

WM Act *Water Management Act 2000* (NSW)

WCML Wilpinjong Coal Mines Pty Limited

Y

yr year

Z

Zn zinc

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