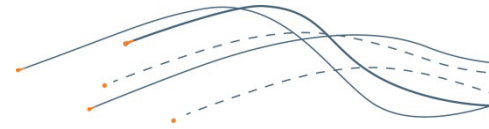


# Central Eyre Iron Project Mining Lease Proposal



## GLOSSARY



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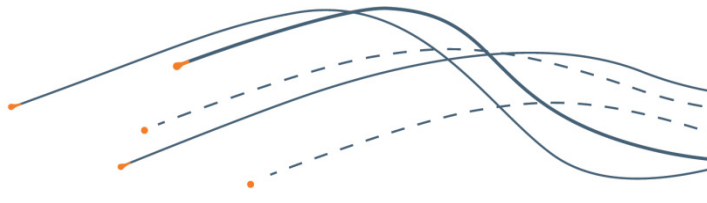
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## Glossary

Acronym/ Abbrev./ Term	Definition
(A)	
AADT	Annual Average Daily Traffic
ABS	Australian Bureau of Statistics
ACARA	Australian Curriculum Assessment and Reporting Authority
ACECQA	Australian Children's Education and Care Quality Authority
Acid sulfate soils (ASS)	Naturally occurring soils, sediments or organic substrates that contain iron sulphide minerals or their oxidation products. In an undisturbed state below the watertable, these soils are benign and not acidic. If the soils are drained, excavated or exposed to air by lowering of the water table, however the sulphides can react with oxygen to form sulphuric acid.
AEP	Annual exceedance probability; the probability that a given rainfall total accumulated over a given duration, or a given peak creek flow rate will be exceeded in one year.
AHD	Australian Height Datum
Al <sub>2</sub> O <sub>3</sub>	Alumina
ALARP	As Low as Reasonably Practicable
AMD	Acid mine drainage
ANC	Acid Neutralising Capacity
ANFO	ANFO units mix ammonium nitrate prills and a combustible liquid, usually diesel oil, to form an explosive. Extra ingredients such as aluminium powder and polystyrene beads may also be added. The mixing process is typically a mixing auger. The delivery system is usually an auger, a slide or a pneumatic blow loading arrangement.
AS/NZS	Australian Standard/New Zealand Standard
ASGC	Australian Standard Geographical Classification
ASGS	Australian Statistical Geography Standard
ASX	Australian Securities Exchange
(B)	
BDBSA	Biological Database of South Australia - historic flora and fauna records provided to the SA Government (DEWNR) and include data from the South Australian Herbarium, Birds Australia and South Australian Museum.
bgl	below ground level
BLD	Boo Loo/Dolphin
BMR	Australian Bureau of Mineral Resources
BOM	Bureau of Meteorology
BushRAT	Bushland Rapid Assessment Technique derived from Bushland Condition Monitoring Methodology (Croft et al 2005-2009, Milne TI and McCallum B 2012, Milne TI and Croft T 2012). BushRat Manual produced by DEWNR Native Vegetation and Biodiversity Management Unit 2013.

Acronym/ Abbrev./ Term	Definition
(C)	
Cat no	Catalogue number
CCC	Community Consultative Committee
CDP	Conveyor Distribution Point
CEIP	Central Eyre Iron Project
CEIP Infrastructure	Port, rail line, pipeline, transmission line, borefield and long-term employee village associated with the proposed CEIP.
CEMP	Construction Environmental Management Plan
CFS	Country Fire Service
CGE	Computable General Equilibrium modelling
CMS	Cleaner Magnetic Separator
CO	Carbon Monoxide
CP	Conservation Park
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CV	Conveyor
(D)	
DC	District Council
DEC	New South Wales Department of Environment and Conservation
DEEWR	Department of Education, Employment and Workplace Relations (Commonwealth Government)
DEF	Declaration of Environmental Factors
DEH	Department for Environment and Heritage (now part of DEWNR)
Deposited Dust	Total particulate matter deposited to the ground surface, usually reported in units of g/m <sup>2</sup> /month. The relevant measurement is insoluble solids as defined by Australian Standard, AS/NZS 3580.10.1–2003. Note DEC (2005) cites an earlier (1991) version of the standard.
DEWNR	Department of Water, Environment and Natural Resources
DFS	Definitive Feasibility Study
DGLC	Design Ground Level Concentration
DIDO	drive-in drive-out
DMITRE	Department for Manufacturing, Innovation, Trade, Resources and Energy (SA) (now DSD)
DotE	Department of the Environment (Commonwealth)
DPLG	Department of Planning and Local Government (SA)(now DPTI)
DPTI	Department of Planning, Transport & Infrastructure (SA)
DSD	Department of State Development (SA)
DSD – AAR	Department of State Development – Aboriginal Affairs and Reconciliation (SA)
Dust	In this report the generic term ‘dust’ is used for airborne or deposited dust particles of any size.
DWT	Dead Weight Tonnage, the carrying capacity of a vessel in tonnes

Acronym/ Abbrev./ Term	Definition
(E)	
EETM	Emission Estimation Technique Manual
eg	for example
EIA	Economic Impact Assessment
EIL	Ecological investigation level
EIS	Environmental Impact Statement
EL	Exploration Licence
EMP	Environment Management Plan
EP Act	Environment Protection Act 1993
EPA	Environment Protection Authority
EPBC	Environment Protection and Biodiversity Conservation
EPBC Act	Environment Protection and Biodiversity Conservation (EPBC) Act– refer legislation section
Ephemeral	Transitory, existing only briefly
EPNRM / EPNRM Board	Eyre Peninsula Natural Resources Management Board
Evapotranspiration	The part of the water cycle which removes liquid water from an area with vegetation and into the atmosphere by the processes of both transpiration and evaporation
EWA	Exploration Work Approval
EYB	Eyre Yorke Block bioregion as described by the IBRA (Thackway and Cresswell 1995)
et al	and others
(F)	
Fe	Iron
FIFO	Fly-in/Fly-out
FTE	Full-time Equivalent
(G)	
g/m <sup>2</sup> /month	Grams per square metre per month
g/sec	Grams per second
GARD	Global Acid Rock Drainage
GDP	Gross Domestic Product
GILs	Groundwater Investigation Levels
GNP	Gross National Product
GOS	Gross Operating Surplus
GP	General Practitioner
GSP	Gross State Product
GWA	Genesee & Wyoming Australia Propriety Limited
(H)	
HA	Heritage Agreement
ha	hectares
HILs	Health-based investigation levels
hr	hour

Acronym/ Abbrev./ Term	Definition
(I)	
i.e.	in other words, that is
IBRA	Interim Bioregionalisation of Australia (see Iluka doc for reference for recent update to subregions)
ICN	Industry Capability Network
ICSEA	Index of Community Socio-educational Advantage
ILUA	Indigenous Land Use Agreement
IMs	actual impact events
IPCC	In-pit Crushing and Conveying
IRD	Iron Road Limited
IWL	Integrated Waste Landform
(J)	
JORC	Australian Joint Ore Reserves Committee
(K)	
km	Kilometre
km/h	Kilometres per hour
km <sup>2</sup>	square kilometre(s )
kV	Kilovolt
(L)	
LDC	long distance commute
LGA	Local Government Area
LoR	Limit of Reporting
LRA	Large Remnant Area
LVIA	Landscape and Visual Impact Assessment
(M)	
m	Metre
mbgl	Metres below ground level
Mineral Claim	A prerequisite tenement to a mining lease or retention lease in South Australia. It provides an exclusive right for 12 months to prospect for minerals within the claim area and to lodge an application for a mining lease or retention lease pursuant to the Mining Act 1971.
Mining Act	Mining Act 1971 (SA)
ML	Mining Lease
MLP	Mining Lease Proposal
MD	Ministerial Determination 006 (published in the SA Government Gazette)
MoU	Memorandum of Understanding
MPA	Maximum Potential Acidity
MPU	Mobile Processing Unit
MSRR	Murphy South – Rob Roy
Mt	Million tonnes
Mtpa	Million tonnes per annum

Acronym/ Abbrev./ Term	Definition
(N)	
na	not available or not applicable
NAF	non-acid forming
NAG pH (ox)	Net Acid Generation pH after oxidation
NAPP	Net Acid Production Potential
nd	not dated
NEPC	National Environment Protection Council
NEPM	National Environment Protection (Ambient Air Quality) Measure / National Environment Protection (Assessment of Site Contamination) Measure 1999
NO <sub>2</sub>	Nitrogen dioxide (molecular formula)
NO <sub>x</sub>	Oxides of Nitrogen
NPI	National Pollutant Inventory
NPV	Net Present Value
NPW Act	National Parks and Wildlife Act 1972 (SA)
NRM Act	Natural Resource Management Act 2004 (SA)
(P)	
P	Phosphorous
PAF	Potentially acid forming
PEPR	Program for Environment Protection and Rehabilitation
PFS	Prefeasibility Study
PIMs	Potential impact events
PM <sub>2.5</sub>	Particulate Matter 2.5 Particulate Matter with aerodynamic diameter less than 2.5 microns
PM <sub>10</sub>	Particulate Matter 10 Particulate Matter with aerodynamic diameter less than 10 microns
PMST	Protected Matters Search Tool (see EPBC Act)
Proposed Borefield	The CEIP borefield near Kiepla
Proposed Infrastructure Corridor	Incorporates the proposed rail line, rail maintenance track, road crossings and realignments, water pipeline and power transmission line between the mine site and the port site.
Proposed long-term employee village	The long-term accommodation for Iron Road's mine site workforce at Wudinna.
PSD	Particle Size Distribution
PWA	Prescribed Well Area
(R)	
Ramsar Convention	List of Wetlands of International Importance, where contracting parties make commitments to conserve such wetlands within their country.
RC	Reverse Circulation
RDA	Regional Development Australia
RDWEP	Regional Development Australia Whyalla and Eyre Peninsula
REISA	Real Estate Institute of Australia

Acronym/ Abbrev./ Term	Definition
RFDS	Royal Flying Doctor Service
RISE	Regional Industry Structure and Employment
RMS	Rougher Magnetic Separator
(S)	
S	Sulphur
SA	South Australia
SA Air Quality Index	A scale that indicates the quality of air, based on air pollutant monitoring data. The index is developed using a descriptive scale that relates to Australia's air quality standards. If the air quality is classified as poor, then one or more pollutants in the air have exceeded the national standard. Further information is available at the EPA website: <a href="http://www.epa.sa.gov.au">www.epa.sa.gov.au</a> .
SA Water	South Australian Water Corporation
SA3	Statistical Area Level 3
SACOME	South Australian Chamber of Mines and Energy
SADME	South Australian Department of Minerals and Energy
SAG	Semi-Autogenous Grinding
Salina	A saline, ephemeral lake, typically observed as a low point in the landscape with visible salt crystals at the surface.
SEB	Significant Environmental Benefit
SEIFA	Socio-Economic Indexes for Areas
SES	State Emergency Service
SIA	Social Impact Assessment
SiO <sub>2</sub>	Silica
SKM	Sinclair Knight Merz (now Jacobs)
SPR	Source Pathway Receptor
SPRAT	Species Profiles and Threats Database (Department of the Environment)
SSC	State suburb
Stomata	An opening in leaves or stems through which gases are exchanged. Stomata open in the light during conditions of adequate water supply to facilitate growth and close in darkness and to reduce water loss, so growth is slowed.
(T)	
t	tonne
TAPM	The Air Pollution Model
tbc	to be confirmed
TEOM	Tapered Element Oscillating Microbalance
TERM	The Enormous Regional Model
TS	Transfer Station
TSP	Total Suspended Particulates Collection of larger particles up to approximately 30-50 µm in diameter used to calculate estimates for dust deposition.
(U)	
µg/m <sup>3</sup>	Micrograms per cubic metre
µm	Microns



Acronym/ Abbrev./ Term	Definition
UCL	Urban centre/locality
unpub	unpublished
USEPA	United States Environmental Protection Agency
(V)	
VKT	Vehicle Kilometres Travelled (NPI term)
VOC	Volatile Organic Compounds
Vol no	Volume number
(W)	
WA	Western Australia
WAA	Water affecting activity
Water Quality EPP	Environment Protection (Water Quality) Policy (SA)
WGD	Wheel Generated Dust (NPI term)
WHC	Water Holding Capacity
WoNS	Weed of National Significance
WPA	Wilderness Protection Area
WSA	Water Supply Code of Australia
WSUD	Water Sensitive Urban Design
WWTP	Wastewater Treatment Plant
(Z)	
ZTVI	Zone of theoretical visual influence



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