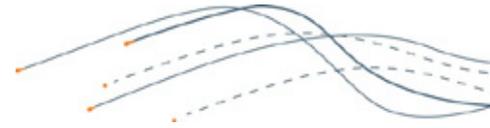


Central Eyre Iron Project Environmental Impact Statement



GLOSSARY



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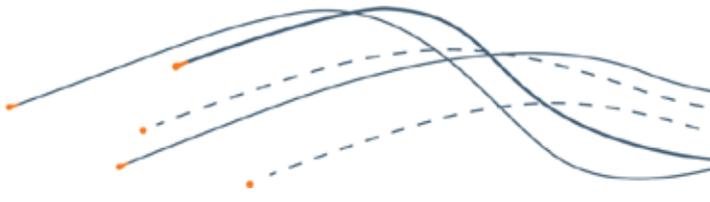
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Glossary

Term	Definition
1 in X Year Storm	Terms such as “1 in 10 year storm” and “1 in 100 year storm” are a description of likelihood. Weather is unpredictable and 1 in 10 year storms do not occur on a predictable 10 year cycle. Rather, a 1 in 10 year storm has a 10% chance of occurring in any particular year and a 1 in 100 year storm has a 1% chance of occurring in any particular year. Multiple large storms may occur in the same year or in subsequent years, and there may be long periods with no large storms. The more precise AEP terminology (annual exceedance probability) is often used by hydrologists to draw attention to these facts but 1 in X year terminology is still commonly used due to ease of understanding.
'A' weighted decibels	To ensure measured levels approximate the human response, a weighting scale is used. It is known as the 'A' scale and the units are referred to as 'A' weighted decibels and written as dB(A). The dB(A) scale discriminates between sounds in much the same way as people do. Also refer to dB(A).
AAD	Australian Antarctic Division
AADT	Annual Average Daily Traffic
ABS	Australian Bureau of Statistics
ACARA	Australian Curriculum Assessment and Reporting Authority
ACCU	Australian Carbon Credit Units
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.
ADCP	Acoustic Doppler Current Profiler
Aeolian noise	Noise produced by wind blowing over fixed objects.
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 any one year.
AHD	Australian Height Datum
AIMS	Australian Institute of Marine Science
AIP	Australian Industry Participation
ALARP	As low as reasonably practicable
Ambient Noise Level	The prevailing noise level at a location due to all noise sources but excluding the noise from the specific noise source under consideration. Generally measured as a dB(A) noise level.
ANZECC	Australian and New Zealand Environment Conservation Council
APT	Asia Pacific Transport
AustRoads	The association of Australian and New Zealand road transport and traffic authorities
Aquaculture	The cultivation or farming of aquatic organisms for the purposes of human use or to replenish wild stocks.

Term	Definition
Aquaculture Act	Aquaculture Act 2001 (SA)
Aquatic	Living in or on water, concerning water or relating to water.
Aquifer	An underground layer of water-bearing bed of permeable rock, sand or gravel.
ARI	Average Return Interval
ARTC	Australian Rail Track Corporation
ASGC	Australian Standard Geographical Classification
ASGS	Australian Statistical Geography Standard
AS/NZS	Australian Standard/New Zealand Standard
Assay	A procedure to determine or quantify the content or quality of a substance.
Background Noise Level	The lower ambient noise level, usually defined as the value of the time varying ambient noise level exceeded for 90% of the measurement time. Usually defined in the dB(A) scale – L_{A90} .
Ballast water	Water carried in a ship's ballast tanks to improve stability, balance and trim. It is taken up or discharged when cargo is unloaded or loaded.
Bathymetry	The study of water depth, usually within oceans. A bathymetric map usually shows ocean floor or terrain as contour lines.
BCA	Building Code of Australia
BDBSA	Biological Database of South Australia; historic flora and fauna records provided to the SA Government (DEWNR) and include data from the following sources: South Australian Herbarium, Birds Australia and South Australian Museum.
Bed Shear	Nearshore deposition and / or erosion of sediments.
Benthic	The ocean bottom or the lowest level of a large body of water.
Benthic survey	A survey of organisms inhabiting the sea bed.
Biofouling	The attachment of marine organisms to any part of marine infrastructure, moorings, vessel hull, internal seawater systems or any equipment attached to the vessel.
Blasting	Detonation of explosive charge to assist in excavation or the breaking up of hard rock.
BoM	Bureau of Meteorology
Bonn Convention	Convention on the Conservation of Migratory Species of Wild Animals.
Bore	A hole drilled into the ground to intersect an aquifer and from which water may be pumped.
Brackish	Water that has a higher salt content than fresh water but a lower content than seawater. Brackish water may have a total dissolved solids concentration between 500 mg/L and 30,000 mg/L.
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
Bund	A bund is an embankment of impervious material, which may form part or all of the perimeter of a compound and provides a barrier to retain liquid.
Bulk Minerals Shipping Facilities	Facilities for bulk handling of rock, ores, minerals to or from a wharf.
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.
CAMBA	China-Australia Migratory Bird Agreement
Capesize vessel	Cargo ships with a cargo-carrying capability (referred to as the Deadweight tonnage) in excess of 100,000 metric tonnes. They are larger than the 2anama and suezmax vessels.

Term	Definition
Carbon Farming Initiative	An Australian Government initiative which allows farmers and land managers to earn carbon credits by storing carbon or reducing greenhouse gas emissions on the land. These credits can then be sold to people and businesses wishing to offset their emissions.
Cat no	Catalogue number
CFI	Carbon Farming Initiative
CCTV	Closed Circuit Television
CDE	Carbon Dioxide Equivalent
CDS	Continuous Deflective Separation
CEIP	Central Eyre Iron Project
CEIP Infrastructure	Proposed port, rail line, pipeline, transmission line, borefield and long-term employee village associated with the CEIP.
CEIP Mine	Proposed mining operation and processing facility near Warrambo
CEMP	Construction Environmental Management Plan
Census	Census of Population and Housing
CFR	Cost and freight
CFS	Country Fire Service
CGE	Computable General Equilibrium Model
CH ₄	Methane
Coastal Waters Development Plan	Land Not Within a Council Area (Coastal Waters) Development Plan Consolidated – 11 March 2010.
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Equivalent Carbon Dioxide
CP	Conservation Park
Cone of depression	A depression in the groundwater table or potentiometric surface that has the shape of an inverted cone and develops around a well or mine pit from which water is being withdrawn, either by pumping or evaporation.
Consumption-induced employment	Defined as employment induced by increased household income associated with the original infrastructure expenditure. The expenditure of household income associated with three categories of employment, direct, first round and industrial-support, will generate economic activity that will in itself generate jobs.
CPB	Coast Protection Board
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CV	Conveyor
DAC	Development Assessment Commission (SA)
dB	Sound pressure levels are expressed in decibels as a ratio between the measured sound pressure level and the reference pressure. The reference pressure is 2x10 ⁻⁶ Pascal (Newtons per square meter).

Term	Definition
dB(A)	The A-weighted sound pressure level in decibels is the unit generally used for the measurement of environmental, transportation or industrial noise. The A-weighting scale reflects the sensitivity of the human ear when it is exposed to normal levels and correlates well with subjective perception. An increase or decrease in sound pressure level of approximately 10 dB corresponds to a subjective doubling or halving in loudness. A change in sound level of 3 dB is considered to be just noticeable.
DC	District Council
Dead Weight Tonnage (DWT)	Load capacity of export ships.
DEC	Department of Environment and Conservation (NSW)
DECON	Demographic economic (model)
DEEWR	Department of Education, Employment and Workplace Relations (Commonwealth Government)
DEH	Department for Environment and Heritage (SA) (now DEWNR)
Demographics	The characteristics of a population or group of people such as age, gender, income, ethnicity, education, employment and household type.
Deposition	The process in which sediments are added to a landform (e.g. sediment in a lake or air borne dust settling on the ground).
Deposited dust	Total particulate matter deposited to the ground surface, usually reported in units of g/m ² /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.
Desalination	The process of removing salt and other minerals from water in order to obtain fresh water.
Desktop study	A study undertaken in an office rather than in the field.
Dewater	To drain or remove water.
DENR	Department of Environment and Natural Resources (now DEWNR) (SA)
DEWNR	Department of Environment Water and Natural Resources (SA)
DFAT	Department of Foreign Affairs and Trade (Commonwealth)
DFS	Definitive Feasibility Study
DGLC	Design Ground Level Concentration
DGT	Diffuse Gradient Thin films
DIDO	drive-in/drive-out
Direct employment and GRP	Employment in those firms, businesses and organisations that are directly engaged in project construction. Typically this will include: <ul style="list-style-type: none"> • construction companies • construction sub-contractors • planning and engineering services • material supply firms
DMITRE	Department for Manufacturing, Innovation, Trade, Resources and Energy (SA) (now DSD)
DP	Development Plan
DPTI	Department for Planning, Transport and Infrastructure (SA)
Drawdown	The distance between the static water level and the surface of the cone of depression at any one location.

Term	Definition
DSD	Department for State Development (SA)
DSEWPaC	Department of Sustainability, Environment, Water, Population and Communities (Commonwealth Government) (now Department of the Environment)
Dust	In this report, the generic term 'dust' is used for airborne or deposited dust particles of any size.
Dust Control System	Equipment and measures taken to contain or reduce the amount of dust released by the operation of (various components) the ore storage and mineral exporting facility.
Dust Extinction Moisture Level	The moisture level at which a material is deemed to emit no dust as determined using a procedure set down in Australian Standard AS4156.6-2000 – Determination of dust/moisture relationship for coal. The test has been modified for magnetite concentrate by using the same volume of concentrate.
DWT	Deadweight tonnage; refers to the maximum weight of a loaded vessel.
Easement	A right to make use of the land owned by another for a specific purpose (e.g. the installation and operation of linear infrastructure such as a road, pipeline or transmission line).
Ecology	The science dealing with the relationships between organisms and their physical surroundings.
EETM	Emission Estimation Technique Manual
e.g.	For example
EIA	Economic Impact Assessment
EIS	Environmental Impact Statement
Emission	A discharge of a substance (e.g. dust) into the environment.
Emissions Reduction Fund	An Australian Government fund that operates alongside existing programmes that are already working to reduce Australia's emissions growth such as the Renewable Energy Target and energy efficiency standards on appliances, equipment and buildings.
EMP	Environmental Management Plan
EMS	Environmental Management System
Employment Units	Employment numbers in either full time equivalent (FTE) units or total job units.
Endemic	Regularly found in a certain area.
Endemism	Ecological state of a species being unique to a defined geographic location.
EIA	Environmental Impact Assessment
EP NRMB	Eyre Peninsula Natural Resources Management Board
EPA	Environment Protection Authority (SA)
EP Act	Environment Protection Act 1993 (SA)
EPBC Act	Environmental Protection and Biodiversity Conservation Act 1999 (Commonwealth)
EPBC Act Protected Matters database	Database managed by the Department of the Environment containing fact sheets and spatial information for Commonwealth listed threatened, migratory and marine species, habitat, vegetation communities and any other matters covered by Commonwealth Environmental and Heritage legislation (e.g. World Heritage properties, wetlands listed under the Ramsar Convention and protected areas).
Ephemeral	Not permanent, lasting for a short time (e.g. a stream that flows only seasonally or after rainfall, or a lake that periodically dries out).
EPICCA	Eyre Peninsula Integrated Climate Change Agreement
EPP	Environment Protection Policy
ERF	Emissions Reduction Fund

Term	Definition
Erosion	Wearing away of the Earth's crust by water (rain, sea), ice or other natural agents (wind).
ESA	Environmental Site Assessment
et al	And others
Exploration Licence/EL	The principal title issued for mineral resource exploration in South Australia. An EL authorises the licensee, subject to the Mining Act 1971, Mining Regulations 2011 and conditions of the licence, to explore for all minerals and/or opal other than extractive minerals.
EYB	Eyre Yorke Block bioregion as described by the IBRA.
Fauna	Animal life
FIFO	Fly-in/fly-out
First round employment and GRP	Refers to employment in firms that supply inputs and services to the 'direct employment' businesses: <ul style="list-style-type: none"> • energy • raw materials • logistics • business support services • other inputs
Fisheries Act	Fisheries Management Act 2007 (SA)
Flinders Ports	Flinders Port Holdings Pty Ltd
Flora	Plant life
Flow-on (or indirect) economic impact	The sum of categories direct employment and GRP, first round employment and GRP, Industrial-support employment and GRP and Consumption-induced employment and GSP.
Fossil fuels	A natural fuel such as coal or gas formed from the remains of living organisms.
Freeboard	The vertical distance between the design water level of a ship/structure and the top of the containing structure.
Frequency	The rate of repetition of a sound wave. The unit of frequency is the Hertz (Hz), defined as one cycle per second. Human hearing ranges generally from 20 Hz to 20,000 Hz for normally occurring sounds.
FTE	Full time equivalent
Fugitive emissions	The unintended discharge of substances that escape to air from sources not associated with a specific process (e.g. leaks from equipment, dust blown from stockpiles).
GDE	Groundwater Dependent Ecosystem
GDP	Gross Domestic Product
GHG	Greenhouse Gas
GIA	Groundwater Impact Assessment
GIS	Geographic Information System
GL	Gigalitre
GOS	Gross Operating Surplus
g/m ² /month	Grams per square metre per month
g/sec	Grams per second
GP	General Practitioner
Gradient	Rate of change of a given variable (e.g. temperature or elevation).

Term	Definition
Gross Domestic Product (GDP)	The total market value of all goods and services produced in Australia within a given period.
Gross Regional Product (GRP)	Defined equivalently to gross domestic product but refers to production within a particular region rather than the nation as a whole.
Gross State Product (GSP)	Defined equivalently to gross domestic product but refers to production within a State or territory rather than the nation as a whole.
Ground vibration	Ground vibration from blasting results from the movement of energy within a rock mass. It consists of various vibration waves travelling at different velocities. These waves are reflected, refracted, attenuated and scattered within the rock mass or soil, so that the resulting ground vibration at any particular location will have a complex character with various peaks and frequency content. Typically, higher frequencies are attenuated rapidly so that at close distances to the source, such frequencies will be present in greater proportion than at far distances from the source.
Groundwater	Water that exists beneath the surface in the pores and spaces of rock and soil.
GRP	Gross Regional Product
GSP	Gross State Product
GWA	Genesee & Wyoming Australia Propriety Limited
GWP	Global Warming Potential index
ha	Hectares
HA	Heritage Agreement
Hardstand area	Open ground having a hard surface for the storage of material or the parking of vehicles.
HFCs	Hydrofluorocarbons
HNLC system	High-nutrient low-chlorophyll system: areas of the ocean where phytoplankton numbers are low despite high macro nutrient concentrations.
Household income	A component of GRP/GSP/GDP. It is a measure of wages and salaries paid in cash and in-kind, drawings by owner operators and other payments to labour, including overtime payments, employer's superannuation contributions and income tax but excluding payroll tax.
hr	Hour
Hydrocarbon	An organic compound made up of carbon and hydrogen.
Hydrodynamic modelling	The simulation of water movement, speeds and directions on a computer to develop a representation of how coastal processes work and make predictions about the effects of change (e.g. the introduction of infrastructure such as a jetty).
Hydrology	The study of water, particularly its relationship to land.
IBRA	Interim Bio-regionalisation of Australia
ICN	Industry Capability Network
ICSEA	Index of Community Socio-educational Advantage
i.e.	that is
ILUA	Indigenous Land Use Agreement
Indicative noise level	Noise level limit for a noise source (i.e. port facility) at nearby sensitive receivers determined in accordance with Clauses 4, 5 and 20 of the Noise Policy.
Indigenous vegetation	Plants that occur naturally in a region or arrived in a region without human assistance.

Term	Definition
Industrial-support employment and GRP	The second and subsequent round effects as successive waves of output occur in the economy to provide industrial support, as a response to the original infrastructure expenditure. This category excludes any employment associated with increased household consumption.
Infrastructure corridor	Corridor incorporating the railway line, railway access road, road crossings, water pipeline, borefield and transmission line between the proposed mine and the port site.
I-O	Input-output model
IRD	Iron Road Limited
IUCN	International Union for Conservation of Nature
JAMBA	Japan-Australia Migratory Bird Agreement
Jobs	The number of workers employed in an industry or on a project at any point in time. It typically refers to either: <ul style="list-style-type: none"> the maximum number of workers required at any point over the analytical period or the duration of the project; or the average number of workers required over the analytical period/duration of the project. This can be calculated on a daily, weekly, monthly or annual basis.
JORC	Joint Ore Reserves Committee
kL	Kilolitre
km	Kilometres
km/h	Kilometres per hour
km ²	Square kilometres
KPI	Key Performance Indicator
kV	Kilovolt
kW	Kilowatt
L	Litres
L _{A90}	The 'A' weighted sound pressure level that is exceeded for 90% of the measurement period. Usually used to represent the background noise level.
L _{Aeq}	L _{eq} is the preferred method to describe sound levels that vary over time, resulting in a single decibel value which takes into account the total sound energy over the period of time of interest. The 'A' weighted equivalent continuous sound level is denoted L _{Aeq} .
L _{Aeq,1h}	Equivalent noise level addressing the average noise exposure for a sensitive receiver measured over a 1 hour time period.
L _{Aeq,9h}	Equivalent noise level addressing the average noise exposure for a sensitive receiver for the day/night time period. Night time period is defined as from 10 pm to 7 am.
L _{Aeq,15h}	Equivalent noise level addressing the average noise exposure for a sensitive receiver for the day time period. Day time period is defined as from 7 am to 10 pm.
L _{Aeq, 15min}	Equivalent noise level addressing the average noise exposure for a sensitive receiver measured over a 15 minute time period.
L _{Amax}	The maximum noise level at a sensitive land use due to individual events.
L _{eq}	The equivalent continuous sound level. The steady level which would, over a given period of time, deliver the same sound energy as the actual time-varying sound over the same period. Hence fluctuating levels can be described in terms of a single figure level.
LAT	Lowest Astronomical Tide
LDC	Long distance commute

Term	Definition
Level crossing	An 'at grade' intersection of a railway and a road on the same level without recourse to a bridge or tunnel.
LGA	Local government area
LMC	Land Management Corporation (SA)
LOD	Level of detection
LOS	Level of Service (six LOS ranging from LOS A (uncongested and free flowing) to LOS F (queuing and delays))
LRA	Large Remnant Area (Biodiversity Planning Term)
LRET	Large-scale Renewable Energy Target
Luffing capacity	Feature of the shiploader that allows the boom to move in multiple axes to efficiently load different types of vessels and/or enable loading under variable tidal conditions.
LVIA	Landscape and Visual Impact Assessment
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.
m	Metres
m/s	Metres per second
MARPOL	International Convention for the Prevention of Pollution from Ships
mbgl	Metres below ground level
mg/kg	Milligrams per kilogram
mg/L	Milligrams per Litre
Mining Lease Proposal / MLP	Detailed documentation submitted pursuant to the Mining Act 1971 as part of the statutory application process for a mining lease. The proposal contains information identifying major risks associated with the proposed mining operations, the environmental, social and economic outcomes that must be achieved and how they can be adequately managed.
Mins	Minutes
ML	Mining Lease
MLP	Mining Lease Proposal
mm	Millimetres
Modelling	The process of creating and using a model.
MOF	Module Offloading Facility
Mt	Million tonnes
Mtpa	Million tonnes per annum
MSDS	Material Safety Data Sheet
N ₂ O	Nitrous Oxide
na	Not available or not applicable
Native title	A concept in the law of Australia that recognises the continued ownership of land by indigenous Australians.
Native vegetation	Plants that occur naturally in Australia or arrived in Australia without human assistance. Locally indigenous plants.
nd	Not dated
NEPM	National Environment Protection Measure

Term	Definition
NEPC	National Environment Protection Council
NGER	National Greenhouse and Energy Reporting
nM	Nanomolar – a measure of chemical concentration in solution.
NOD	National Ocean Disposal Guidelines for Dredged Material
Noise contours	A graphic representation of predicted areas of equal sound (noise) level.
Noise Policy	Environment Protection (Noise) Policy 2007 (SA)
NO _x	Oxides of Nitrogen
NO ₂	Nitrogen dioxide (molecular formula)
NPI	National Pollutant Inventory
NPV	Net present value
NPW Act/NPWA	National Park and Wildlife Act 1972 (SA)
NRM	Natural Resources Management
NTF	National Tidal Facility, based at Flinders University South Australia
NWC	National Water Commission
OBIS	Ocean Biogeographic Information System available online at http://www.iobis.org/
OCPs	Organochlorine Pesticides
OEMP	Operations Environmental Management Plan
OHS	Occupational Health and Safety
Oil separator	Equipment used to separate oil and waste from water.
Output (Value of)	A measure of the gross revenue of goods and services produced by commercial organisations (e.g. value of mine output) and gross expenditure by government agencies. Total output needs to be used with care as it can include elements of double counting when the output of integrated industries is added together (e.g. the value of processed product includes the value of mine output).
OZCAM	Online Zoological Collections of Australian Museums at http://www.ozcam.org.au/
PAHs	Polycyclic Aromatic Hydrocarbons
Panamax	An ocean-going cargo vessel of the maximum size possible to pass through the locks of the Panama Canal, which are 1000ft long by 110ft wide and 85ft deep.
PASS	Potential acid sulfate soils
Passing siding	A railway track section running parallel to the main railway line. Sidings may be used to allow trains travelling in opposite directions to pass each other.
PDC	Principle of Development Control
Peak Wave Period (Tp)	The period associated with the largest peak in the energy spectrum (measured in seconds).
Peak Wave Direction (Dp)	The direction associated with the peak period (measured in Degrees True North (TN)).
PEPR	Program for Environment Protection and Rehabilitation
PFCs	Perfluorocarbons
PFS	Prefeasibility Study
pH	A measure of acidity or alkalinity.
Pile	A column-like structural support comprised of a length of wood, steel, concrete or other construction material that is driven by force into the ground/sea bed until it attains sufficient load bearing capability.
PIRSA	Department of Primary Industries and Resources (SA)

Term	Definition
PJ	Petajoules
PM _{2.5}	Particulate matter 2.5 micrometres or less in diameter.
PM ₁₀	A mass concentration of small particles with aerodynamic diameter less than 10 microns (10 µm), with units microgram per metre cubed (µg/m ³). As an illustration of the size of the largest particles in this size group, a fine woollen fibre could have a radius of approximately 10 µm.
PMST	Protected Matters Search Tool (see EPBC Act)
Polda Lens	The Polda Groundwater Lens is located in the northeast of the Musgrave PWA. The lens is defined by a layer of fresh groundwater (salinity limit of 1000 mg/L) within the unconfined Quaternary limestone.
Polda Trough	An east – west trending geological feature ranging between 10 and 40 km in width and extending more than 350 km from near Cleve in the east, beyond Elliston to the continental margin in the Great Australian Bight.
Potable water	Water considered satisfactory for human consumption.
Prescribed Well Area	Certain areas within South Australia that have been prescribed in order to control future water extraction processes. The prescription may be either area based or watercourse based (or in some areas both).
Proposed borefield	The CEIP borefield near Kiepala.
Proposed long-term employee village	The long-term accommodation for Iron Road's mine site workforce adjacent to Wudinna.
PSD	Particle size distribution
PSU	Practical Salinity Unit; unit of measurement for salt concentration in sea water based on the properties of sea water conductivity.
PV	Photovoltaic
PWA	Prescribed Wells Area
Ramsar Convention	List of Wetlands of International Importance, where contracting parties make commitments to conserve such wetlands within their country.
RDA	Regional Development Australia
RDAWEP	Regional Development Australia Whyalla and Eyre Peninsula
Reclaimed land	Land artificially gained from the sea or other water bodies.
REISA	Real Estate Institute of Australia
Remnant vegetation	Vegetation remaining after an area has been cleared (usually refers to native vegetation).
RET	Renewable Energy Target
RFDS	Royal Flying Doctor Service
RISE	Regional Industry Structure and Employment
ROKAMBA	Republic of Korea-Australia Migratory Bird Agreement
SA	South Australia
SA3	Statistical Area Level 3
SACOME	South Australian Chamber of Mines and Energy
Salina	A saline, ephemeral lake, typically observed as a low point in the landscape with visible salt crystals at the surface.
SARDI	South Australian Research and Development Institute
SA Water	South Australian Water Corporation

Term	Definition
SEB	Significant Environmental Benefit
Sedimentation	The process by which particles suspended in water are deposited or settle to the bottom ground surfaces.
SEIFA	Socio-Economic Indexes for Areas
Sensitive receiver	Sensitive land uses, including accommodation (including dwellings, nursing homes, tourist accommodation), community centres, consulting rooms, offices, educational establishments, hospitals and recreation areas.
Separation distance	The distance between the activity boundary of the proposed development and the nearest sensitive receiver.
SES	State Emergency Service
SF ₆	Sulphur Hexafluoride
Slewing capacity	Feature of the shiploader that allows the boom to be rotated or turned on its axes in order to reach different areas of the ship's hold.
SIA	Social Impact Assessment
Significant Wave Height (H _s)	Measured in metres, it is equivalent to the mean wave height (trough to crest) of the highest third of the waves.
SPRAT	Species Profiles and Threats Database (Department of the Environment)
SRES	Small-scale Renewable Energy Scheme
SSC	State Suburb
State Government	The Government of South Australia
Stormwater	Rainwater which has run off the ground surface, roads, roofs, paved areas etc.
STP	Sewerage Treatment Plant
Supply chain (in the context of infrastructure projects)	The planning and management of all activities involved in sourcing and procurement, conversion of materials, and all the logistics management activities. It also includes coordination and collaboration with suppliers, intermediaries and third party service providers.
t	tonne
TAPM	The Air Pollution Model
tbc	To be confirmed
TDS	Total dissolved solids
TERM	The Enormous Regional Model
Thermohaline currents	The flow of ocean water caused by changes in density occurring as the ocean is warmed or cooled at the surface, or by the addition of fresh water or salt.
TJ	Terajoules
TKN	Total Kjeldahl Nitrogen
TN	Total Nitrogen
TP	Total Phosphorous
TPH	Total Petroleum Hydrocarbons
Tph	Tonnes per hour
TPN	Total Phosphorous and Nitrogen
Transmissivity	The rate at which water moves through a unit width of aquifer or aquitard under a unit hydraulic gradient, calculated as the product of aquifer thickness and hydraulic conductivity.
TS	Transfer Station

Term	Definition
TSP	Total Suspended Particulates
Turbidity	Opacity in water created by suspended organic and inorganic sediment.
UCL	Urban Centre/Locality
UNFCCC	United Nations Framework Convention on Climate Change
unpub	Unpublished
USEPA	United States Environmental Protection Agency
Value-added	The total value of goods and services produced by an industry, after deducting the cost of goods and services used up in the process of production
VKT	Vehicle Kilometres Travelled (NPI term)
VOC	Volatile Organic Compounds
Viewshed Analysis	A GIS analysis which reveals areas in the landscape from which the proposed development is theoretically visible (based on terrain only and not taking vegetation or other surface features into account).
Visual Catchment	Distance from the proposed development within which the proposed development would be a discernible addition to the receiving landscape.
Vol no.	Volume number
WAA	Water Affecting Activities
Wastewater	Waste principally consisting of water and includes wash down water, cooling water, effluent, irrigation runoff and contaminated stormwater.
Well	A borehole that has been cased with pipe, usually steel or PVC plastic, in order to keep the borehole open in unconsolidated sediments or unstable rock, often used interchangeably with the term bore.
WGD	Wheel Generated Dust (NPI term)
Wind rose	Diagram showing wind patterns by compass bearing direction and velocity.
WoNS	Weed of National Significance
WPA	Wilderness Protection Area
WSUD	Water Sensitive Urban Design
ZTVI	Zone of Theoretical Visual Influence
$\mu\text{g}/\text{m}^3$	Micrograms per cubic metre
μm	Microns



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