

## Section 10

Abbreviations, Acronyms,  
Glossary and Definitions



WELCOME TO MORANBAH

# WINCHESTER SOUTH PROJECT

Environmental Impact Statement

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## 10 ABBREVIATIONS, ACRONYMS, GLOSSARY AND DEFINITIONS

### 10.1 ABBREVIATIONS AND ACRONYMS

%	percent	ANZG	Australian and New Zealand Governments
°	degrees	APCT	Abbot Point Coal Terminal
°C	degrees Celsius	Aquila Resources	Aquila Resources Pty Ltd
µg/L	microgram per litre	ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand
µg/m <sup>3</sup>	microgram per cubic metre	Arrow	Arrow Energy Pty Ltd
µm	micrometre	AS	Australian Standard
µS/cm	microSiemens per centimetre	AS/NZS	Australian Standard/New Zealand Standard
ABS	Australian Bureau of Statistics	ATSI	Aboriginal and Torres Strait Islander
ACARP	Australian Coal Association Research Program	ATP	Authority to Prospect
ACH Act	<i>Aboriginal Cultural Heritage Act 2003</i>	Aurizon	Aurizon Holdings Limited
ADWG	Australian Drinking Water Guidelines	AUSRIVAS	Australian River Assessment System
AEP	Annual Exceedance Probability	AV	adjustment value
AES	aggregate environmental scores	BACI	before-after-control-impact
AE/ha	adult equivalents per hectare	BG	background noise level
AHD	Australian height datum	Blackrock Mining Solutions	Blackrock Mining Solutions Pty Ltd
Air EPP	<i>Environmental Protection (Air) Policy 2019</i>	BMA	BHP Mitsubishi Alliance
AKF	Australian Koala Foundation	BOD	Biochemical Oxygen Demand
ALARP	As Low As Reasonably Practicable	BoM	Bureau of Meteorology
ALA	Atlas of Living Australia	Brigalow TEC	<i>Brigalow (Acacia harpophylla dominant and co-dominant) threatened ecological community</i>
ANC	acid neutralising capacity	BVG	Broad Vegetation Group
ANFO	ammonium nitrate and fuel oil	CaCO <sub>3</sub>	sodium carbonate
ANZECC	Australian and New Zealand Environment and Conservation Council	CAS	Chemical Abstract Service
		CE	Critically Endangered
		CFMEU	Construction, Forestry, Maritime, Mining and Energy Union

CLR	Contaminated Land Register	DCDSS	Department of Communities, Disability Services and Seniors
CHMP	Cultural Heritage Management Plan	DCHDE	Department of Communities, Housing and Digital Economy (formerly known as the Department of Housing and Public Works)
CHPP	coal handling and preparation plant		
cm	centimetre		
CO	carbon monoxide	DEE	Commonwealth Department of the Environment and Energy
CO <sub>3</sub>	carbonate	DEFRA	Department for Environment, Food and Rural Affairs (UK)
CO <sub>2</sub> -e	carbon dioxide equivalent		
COP	Conference of Parties	DEHP	Department of Environment and Heritage Protection
CPP	coal preparation plant	DEM	Digital Elevation Model
CSG	Coal Seam Gas	DERM	Department of Environment and Resource Management
CSIRO	Commonwealth Scientific and Industrial Research Organisation	DES	Department of Environment and Science
CV	critical value	DESBT	Department of Employment, Small Business and Training
CWD	Clean Water Dam	DEWHA	Department of the Environment, Water, Heritage and the Arts
DAF	Department of Agriculture and Fisheries (formerly known as the Department of Agriculture, Fisheries and Forestry)	DG Class	Dangerous Goods Class
DAFF	Department of Agriculture, Fisheries and Forestry	DGVs	default guideline values
DATSIP	Department of Aboriginal and Torres Straight Island Partnerships	DHPW	Department of Housing and Public Works
DAWE	Commonwealth Department of Agriculture, Water and the Environment (formerly known as the Department of the Environment and Energy)	DME	Department of Minerals and Energy
dBA	A-weighted decibel	DNRM	Department of Natural Resources and Mines
dBZ	Z-weighted decibel	DNRME	Department of Natural Resources, Mines and Energy
DBCT	Dalrymple Bay Coal Terminal	DoR	Department of Resources (formerly known as the Department of Natural Resources, Mines and Energy)
dB�	linear decibel	DotE	Commonwealth Department of the Environment

DRDMW	Department of Regional Development, Manufacturing and Water (formerly known as the Department of Regional Development and Manufacturing)	EMR	Environmental Management Register
		EO Act	<i>Environmental Offsets Act 2014</i>
		EP	equivalent persons
DSA	Design Storage Allowance	EP Act	<i>Environmental Protection Act 1994</i>
DSD	Department of State Development	EP Regulation	<i>Environmental Protection Regulation 2019</i>
DSDMIP	Department of State Development, Manufacturing, Infrastructure and Planning	EPBC Act	<i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</i>
DSDSATSIP	Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships (formerly known as the Department of Communities, Disability Services and Seniors)	EPBC Regulations	<i>Commonwealth Environment Protection and Biodiversity Conservation Regulations 2000</i>
		EPC	Exploration Permit for Coal
DSDILGP	Department of State Development, Infrastructure, Local Government and Planning (formerly known as the Department of State Development, Manufacturing, Infrastructure and Planning)	EPP	Environmental Protection Policy
		ERA	Environmentally Relevant Activity
		ERC	estimated rehabilitation cost
		ESD	Ecologically Sustainable Development
DSEWPaC	Commonwealth Department of Sustainability, Environment, Water, Population and Communities	ESP	Ecological Service Professionals
		ETL	electricity transmission line
DSITI	Department of Science, Information Technology and Innovation	EVT	Evapotranspiration
DSITIA	Department of Science, Information Technology, Innovation and the Arts	Explosives Act	<i>Explosives Act 1999</i>
		Extent	Extent Heritage Pty Ltd
DTMR	Department of Transport and Main Roads	FCL	flammable and combustible liquid
E	Endangered	FIFO	fly-in-fly-out
E2M	E2M Pty Ltd	Fisheries Act	<i>Fisheries Act 1994</i>
EA	Environmental Assessment	Fluvial Systems	Fluvial Systems Pty Ltd
EC	electrical conductivity	FTE	full time equivalent
EcoSM	Ecological Survey and Management	FoS	factor of safety
EIS	Environmental Impact Statement	g/kg	grams per kilogram
EMP	Environmental Management Plan	GDE	groundwater dependent ecosystem

GDE Atlas	Groundwater Dependent Ecosystem Atlas (BoM, 2020)	km/hr	kilometres per hour
		km <sup>2</sup>	square kilometres
GHB	General Head Boundary	KPI	Key Performance Indicator
GHG	greenhouse gas	kt	kilotonne
GMA	Groundwater Management Area	kt CO <sub>2</sub> -e	kilotonnes carbon dioxide equivalent
GTE	GT Environmental Pty Ltd	kV	kilovolt
HB:203:2012	<i>Handbook 203:2012 Environmental Risk Management – Principles and Process</i>	L	litre
ha	hectare	L <sub>A90</sub>	A-weighted noise exceeded by 90% for the measurement period
HCO <sub>3</sub>	bicarbonate	L <sub>Aeq</sub>	equivalent continuous noise level
IAS	Initial Advice Statement	L <sub>AN</sub>	statistical noise exceedance level
IBRA	Interim Biogeographic Regionalisation for Australia	lb	pound
ICOMOS	Australia International Council on Monuments and Sites	LETA	Low Emission Technology Australia
IEA	International Energy Agency	LFC	Landscape Fragmentation and Connectivity
IECA	International Erosion Control Association	LGA	Local Government Area
IESC	Commonwealth Independent Expert Scientific Committee on Coal Seam Gas and Large Mining Development	LOR	limit of reporting
		m	metre
		m <sup>2</sup>	square metre
IESC Information Guidelines	<i>Information guidelines for proponents preparing coal seam gas and large coal mining development proposals (IESC, 2018)</i>	m <sup>3</sup>	cubic metre
		m/s	metres per second
		m <sup>3</sup> /s	cubic metres per second
ILUA	Indigenous Land Use Agreement	Ma	Marine
ISO	International Standards Organisation	mAHD	metres Australian Height Datum
JORC	Joint Ore Reserve Committee	Mbcm	million bank cubic metres
Katestone	Katestone Environmental Pty Ltd	mbgl	metres below ground level
kg	kilogram	MDBC	Murray-Darling Basin Commission
kL	kilolitre	MDL	Mineral Development Licence
km	kilometre		

MEDLI	Model for Effluent Disposal Using Land irrigation	MWD	Mine Water Dam
MERCP Act	<i>Mineral and Energy Resources (Common Provisions) Act 2014</i>	NAF	non-acid forming
MERFP Act	<i>Mineral and Energy Resources (Financial Provisioning) Act 2018</i>	NATA	National Association of Testing Authorities
MERFP Regulation	<i>Mineral and Energy Resources (Financial Provisioning) Regulation 2019</i>	Natural Grasslands TEC	<i>Natural Grasslands of the Queensland Central Highlands and Northern Fitzroy Basin threatened ecological community</i>
mg/L	milligrams per litre	NC Act	<i>Nature Conservation Act 1992</i>
mg/m <sup>2</sup> /day	milligrams per square metre per day	NC Animals Regulation	<i>Nature Conservation (Animals) Regulation 2020</i>
mg/m <sup>2</sup> /month	milligrams per square metre per month	NC Plants Regulation	<i>Nature Conservation (Plants) Regulation 2020</i>
MIA	mine infrastructure area	NDCs	nationally determined contributions
ML/day	megalitres per day	NGA	National Greenhouse Accounts
ML/year	megalitres per year	NGER Act	<i>Commonwealth National Greenhouse and Energy Reporting Act 2007</i>
MLA	mining lease application	NGIS	National Groundwater Information System
mm	millimetres	NHMRC	National Health and Medical Research Council
mm/s	millimetres per second	NNTT	National Native Title Tribunal
mm/year	millimetres per year	NPI	National Pollutant Inventory
MNES	Matters of National Environmental Significance	NPV	net present value
MOV	maximum operating value	Noise EPP	<i>Environmental Protection (Noise) Policy 2019</i>
MR Act	<i>Mineral Resources Act 1989</i>	NO <sub>x</sub>	oxides of nitrogen
MRL	Mandatory Reporting Level	NSESD	<i>National Strategy for Ecologically Sustainable Development</i>
MSES	Matters of State Environmental Significance	NSW	New South Wales
Mt	million tonnes	NT Act	<i>Commonwealth Native Title Act 1993</i>
Mt CO <sub>2</sub> -eq	million tonnes carbon dioxide equivalent	NTU	nephelometric turbidity unit
Mtpa	million tonnes per annum	NUMA	non-use management area

NWQMS	National Water Quality Management Strategy	REMP	Receiving Environment Monitoring Program
OPSIM	operational simulation model	Renzo Tonin	Renzo Tonin & Associates
PAF-LC	as potentially acid forming with low acid-generating capacity	RGCTC	RG Tanna Coal Terminal
Pembroke	Pembroke Olive Downs Pty Ltd	RIDA	Regional Interest Development Approval
PL	Petroleum Lease	Risk Mentor	Risk Mentor Pty Ltd
Planning Act	<i>Planning Act 2016</i>	RIV	River
PM <sub>2.5</sub>	particulate matter less than 2.5 micrometres in size	ROM	run-of-mine
PM <sub>10</sub>	particulate matter less than 10 micrometres in size	RPI Act	<i>Regional Planning Interests Act 2014</i>
PMF	probable maximum flood	RPS	RPS Australia East Pty Ltd
PMLU	post-mining land use	RSHQ	Resources Safety and Health Queensland
PMP	probable maximum precipitation	RWD	Raw Water Dam
PSMT	Protected Matter Search Tool	SA	Statistical Area
Poplar Box TEC	<i>Poplar Box Grassy Woodland on Alluvial Plains</i> threatened ecological community	SAR	standard axle repetition
Powerlink	Powerlink Queensland	SAT	Spot Assessment Technique
PRA	Preliminary Risk Assessment	SCL	strategic cropping land
PRC Plan	Progressive Rehabilitation and Closure Plan	SCR	State Controlled Road
QR	Queensland Rail	SDPWO Act	<i>State Development and Public Works Organisation Act 1971</i>
Quarrico	Quarrico Products Pty Ltd	SIA	Social Impact Assessment
QWRC	Queensland Water Resources Commission	SIMP	Social Impact Management Plan
RAMSAR	Wetlands of international importance	SLR	SLR Consulting Australia Pty Ltd
RCH	Recharge	SMEC	SMEC Australia Pty Limited
RCS	remote control signalling	SMU	soil mapping units
RE	regional ecosystem	SO <sub>2</sub>	sulphur dioxide
		SO <sub>4</sub>	sulfate
		South32	South32 Limited



SRMS	scaled root mean square	US EPA	United States Environmental Protection Agency
SSRC Act	<i>Strong and Sustainable Resource Communities Act 2017</i>	UWIR	Underground Water Impact Report
STEM	Science, Technology, Engineering and Maths	V:H	Volume:Height
Stanmore	Stanmore Coal Limited	VM Act	<i>Vegetation Management Act 1999</i>
STR	Stream	VWP	Vibrating Wire Piezometer
Sunwater	Sunwater Limited	WaTERS	Water Tracking and Reporting System
Sy	Specific Gravity	Water Act	<i>Water Act 2000</i>
t	tonne	Water Plan	<i>Water Plan (Fitzroy Basin) 2011</i>
TAPM	The Air Pollution Model	Water and Wetland EPP	<i>Environmental Protection (Water and Wetland Biodiversity) Policy 2019</i>
tph	tonnes per hour	WBSCD	World Business Council for Sustainable Development
TDS	total dissolved solids	Whitehaven	Whitehaven Coal Limited
TEM	transient electromagnetic	Whitehaven WS	Whitehaven WS Pty Ltd
Terrenus	Terrenus Earth Sciences	WHS Regulation	<i>Work Health and Safety Regulation 2011</i>
the Audit	the Queensland Agricultural Land Audit	WICET	Wiggins Island Coal Export Terminal
the Commonwealth Minister	Commonwealth Minister for the Environment	WQOs	water quality objectives
the Project	The Winchester South Project	WRI	World Resources Institute
TI Act	<i>Transport Infrastructure Act 1994</i>	WRM	WRM Water & Environment Pty Ltd
TSP	total suspended particulates	WRR Act	<i>Waste Reduction and Recycling Act 2011</i>
TSS	total suspended solids	Xenith	Xenith Consulting Pty Ltd
TSSC	Threatened Species Scientific Committee		
TTPP	The Transport Planning Partnership		
UK	United Kingdom		
US EPA	United States Environmental Protection Agency		
UNFCCC	United Nations Framework Convention on Climate Change		

## 10.2 GLOSSARY

### Acid rock drainage

Means any contaminated discharge emanating from a mining activity formed through a series of chemical and biological reactions, when geological strata is disturbed and exposed to oxygen and moisture as a result of mining activity.

Alluvial	A general term for clay, silt, sand and gravel transported by water and deposited on the bed of a floodplain, river or stream.	Baseline Monitoring	Monitoring conducted over time to collect a body of information to define specific characteristics of an area (e.g. species occurrence or noise levels) prior to commencement of a specific activity.
Alluvium	Sediment (gravel, sand, silt, clay) transported by water (i.e. deposits in a stream channel or floodplain).	Baseflow	The discharge of sub-surface water into a stream (i.e. groundwater seepages).
Ambient air quality	The all-encompassing air quality associated with a given environment. It is the cumulative result of emissions (e.g. dust, particulates and gases) from many sources, both near and far.	Batter	An engineered slope of soil or rock fill on either side upslope or downslope of a road, embankment or waste rock storage; the sloping banks of cut earth separating different levels in an open pit.
Ambient noise	At a place, means a level of noise at the place from all sources (near and far), measured as the LAeq for an appropriate time interval.	Bilateral Agreement	An agreement between the Commonwealth and the State of Queensland under section 45 of the EPBC Act relating to environmental assessment.
Amenity	Useful and enjoyable quality.	Biodiversity	The diversity of different species of plants, animals and micro-organisms, including the genes they contain, in the ecosystem of which they are part.
Annual Exceedance Probability (AEP)	The probability that a flood of a defined magnitude or larger will occur in any year	Catchment	The entire land area from which water (e.g. rainfall drains to a specific watercourse or water body).
Aquatic	Living in or on water, or concerning water.	Critical habitat	As defined in the EPBC Regulations and NC Act (refer Section 10.3).
Aquifer	A sub-surface rock formation containing water in recoverable quantities.	Cross-section	A two-dimensional diagram of an object presented as if the object has been cut across its length.
Average Recurrence Interval (ARI)	The expected value or average value of the periods between exceedances of a given event magnitude. A term used in water engineering. Also known as “return period”.		

dB	Decibel; unit used to express sound intensity.	Greenhouse gases	Gases with potential to cause climate change (e.g. methane, carbon dioxide and non-methane volatile organic compounds). Usually expressed in terms of carbon dioxide equivalent (CO <sub>2-e</sub> ).
dBA	Decibel (A-weighted scale); unit used for most measurements of environmental noise; the scale is based upon typical responses of the human ear to sounds of different frequencies.	Groundwater	All waters occurring below the land surface; the upper surface of the soils saturated by groundwater in any particular area is called the water table.
Decommissioning	Removal or reuse of infrastructure.	Hardstand areas	Flat of gently sloping surface that has been engineered such that it is suitable for trafficking by vehicles and/or location of infrastructure.
Drawdown	The localised lowering of groundwater level.	High Value Regrowth	All woody vegetation that fails to meet the structural and/or floristic characteristics of remnant vegetation. It may include regrowth, heavily thinned or logged and significantly disturbed vegetation.
Ecologically sustainable development	As defined in the EP Act (refer Section 10.3).	Hydraulic gradient	The change in static head (i.e. elevation and pressure) per unit of distance in a given direction (units: dimensionless).
Ecosystem	An interacting system of animals, plants, other organisms and non-living parts of the environment.	Infrastructure	The supporting installations and services that supply the needs of the Project.
EIS Notice	Notice required under section 33 of the SDPWO Act.	<i>in-situ</i>	A term used to distinguish material (e.g. soils, minerals, fossils, etc.) found in its original position of formation, deposition, or growth, as opposed to transported material.
Electrical Conductivity (EC)	The ability of a substance (either solid, liquid or gas) to transmit electricity.		
Emission	The discharge of a substance (e.g. dust) into the environment.		
Essential habitat	As defined in the VM Act (refer Section 10.3).		

<p><b>Interburden</b></p> <p>Rock material that separates two economically viable coal seams.</p>	<p><b>Permeability</b></p> <p>The ability of a rock or soil to allow fluid to pass through it.</p>
<p><b>Inter-generational equity</b></p> <p>The concept that the present generation should ensure that the health, diversity and productivity of the environment is maintained or enhanced for the benefit of future generations.</p>	<p><b>Permian age</b></p> <p>The youngest geological period of the Palaeozoic era, covering a span between approximately 290-250 million years before present.</p>
<p><b>Intra-generational equity</b></p> <p>The concept that the present generation should ensure that the health, diversity and productivity of the environment is maintained or enhanced for the benefit of their own generation.</p>	<p><b>pH</b></p> <p>A measure of the degree of acidity or alkalinity of a solution; expressed numerically (logarithmically) on a scale of 1 to 14, on which 1 is most acid, 7 is neutral, and 14 is most basic (alkaline).</p>
<p><b>Known habitat</b></p> <p>An area of land where the species is known to occur.</p>	<p><b>Potential habitat</b></p> <p>An area of land where the species is not known to occur but where the species could potentially occur.</p>
<p><b>L<sub>A1</sub>, adj, 1 mins</b></p> <p>A-weighted sound pressure level (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using fast response.</p>	<p><b>Recharge</b></p> <p>The addition of water to an aquifer, directly from the surface, indirectly from the unsaturated zone, or by discharge from overlying or underlying aquifer systems.</p>
<p><b>L<sub>A10</sub>, adj, 10 mins</b></p> <p>A-weighted sound pressure level (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using fast response.</p>	<p><b>Rehabilitation</b></p> <p>The restoration of a landscape and especially the vegetation following its disturbance.</p>
<p><b>L<sub>A max</sub> adj, T</b></p> <p>Average maximum A-weighted sound pressure level (adjusted for noise character) and measured over any time period, using fast response.</p>	<p><b>Remnant vegetation</b></p> <p>Woody vegetation is mapped as remnant where the dominant canopy has greater than 70% of the height and greater than 50% of the cover relative to the undisturbed height and cover of that stratum and is dominated by species characteristic of the vegetation's undisturbed canopy.</p>
<p><b>Overburden</b></p> <p>Waste rock material overlying <i>in-situ</i> coal that must be removed prior to mining of coal.</p>	

Riparian	Pertaining to, or situated on, the bank of a body of water, especially a watercourse such as a river.	Total suspended solids (TSS)	A common measure used to determine suspended solids concentrations in a waterbody and expressed in terms of mass per unit volume (e.g. milligrams per litre).
Runoff	A portion of precipitation (rain, hail and snow) that flows across the ground surface as water.	Value-added	The difference between the value of a firm’s output and the cost of the inputs of raw materials, components or services brought in the produce that output.
Salinity	The total content of dissolved solids in groundwater or surface water, commonly expressed as parts of dissolved solids per million parts of solution, or milligrams of dissolved solids per litre of solution (mg/L).	Waters	Includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters, stormwater channel, stormwater drain, and groundwater and any part thereof.
Stakeholder	Any individual, group or organisation that can affect, be affected by, or perceive itself to be affected by the behaviour of a company or an organisation.		
Temperature inversion	An atmosphere phenomenon in which air temperature increases with height over a particular interval.		
Terrestrial	Living or growing on the land.		
the Project	The Winchester South Project.		
Topsoil	The upper or top layer of soil, that typically has higher levels of organic matter and associated micro-organisms.		
Total suspended particulates (TSP)	The mass of all particulate matter suspended in a solution (e.g. the air).		

### 10.3 DEFINITIONS

#### Administering authority

As defined in Schedule 4 of the EP Act, means:

- (a) *for a matter, the administration and enforcement of which has been devolved to a local government under section 514—the local government; or*
- (b) *for another matter—the chief executive.*

#### Critical habitat

As defined in clause 7.09 of the EPBC Regulations, matters the Commonwealth Minister may consider when identifying include:

- (a) *whether the habitat is used during periods of stress;*

*Examples of period of stress: Flood, drought or fire.*

- (b) *whether the habitat is used to meet essential life cycle requirements;*

*Examples: Foraging, breeding, nesting, roosting, social behaviour patterns or seed dispersal processes.*

- (c) *the extent to which the habitat is used by important populations;*

- (d) *whether the habitat is necessary to maintain genetic diversity and long-term evolutionary development;*
- (e) *whether the habitat is necessary for use as corridors to allow the species to move freely between sites used to meet essential life cycle requirements;*
- (f) *whether the habitat is necessary to ensure the long-term future of the species or ecological community through reintroduction or re-colonisation;*
- (g) *any other way in which habitat may be critical to the survival of a listed threatened species or a listed threatened ecological community.*

As defined in section 13 of the NC Act:

- (1) **Critical habitat** is habitat that is essential for the conservation of a viable population of protected wildlife or community of native wildlife, whether or not special management considerations and protection are required.
- (2) A **critical habitat** may include an area of land that is considered essential for the conservation of protected wildlife, even though the area is not presently occupied by the wildlife.

#### Ecologically Sustainable Development

As defined in section 3 of the EP Act, means:

*...development that improves the total quality of life, both now and in the future, in a way that maintains the ecological processes on which life depends (**ecologically sustainable development**).*

#### Environment

As defined in section 8 of the EP Act, includes:

- (a) *ecosystems and their constituent parts, including people and communities; and*
- (b) *all natural and physical resources; and*
- (c) *the qualities and characteristics of locations, places and areas, however large or small, that contribute to their biological diversity and integrity, intrinsic or attributed scientific value or interest, amenity, harmony and sense of community; and*
- (d) *the social, economic, aesthetic and cultural conditions that affect, or are affected by, things mentioned in paragraphs (a) to (c).*

#### Environmental authority

As defined in Schedule 4 of the EP Act, means:

- (a) *generally—*
  - (i) *an environmental authority issued under section 195 that approves an environmentally relevant activity applied for in an application; or*
  - (ii) *if a replacement environmental authority is issued for an environmental authority—the replacement environmental authority; or*
- (b) *for chapter 5, part 14, division 3, see section 316A*

#### Environmental nuisance

As defined in section 15 of the EP Act:

**Environmental nuisance** is unreasonable interference or likely interference with an environmental value caused by—

- (a) *aerosols, fumes, light, noise, odour, particles or smoke; or*
- (b) *an unhealthy, offensive or unsightly condition because of contamination; or*
- (c) *another way prescribed by regulation.*

#### Environmental value

As defined in section 9 of the EP Act, is:

- (a) *a quality or physical characteristic of the environment that is conducive to ecological health or public amenity or safety; or*
- (b) *another quality of the environment identified and declared to be an environmental value under an environmental protection policy or regulation.*

#### Environmentally relevant activity

As defined in section 18 of the EP Act, means:

- (a) *an agricultural ERA [environmentally relevant activity] as defined under section 79;*
- (b) *a resource activity as defined under section 107;*
- (c) *an activity prescribed under section 19 as an environmentally relevant activity.*

**Essential habitat**

As defined in section 20AC of the VM Act:

- (2) **Essential habitat**, for protected wildlife, is a category A area, a category B area or category C area shown on the regulated vegetation management map –
- (a) that has at least 3 essential habitat factors for the protected wildlife that must include any essential habitat factors that are stated as mandatory for the protected wildlife in the essential habitat database; or
- (b) in which the protected wildlife, at any stage of its life cycle, is located.
- (3) **Essential habitat database** is a database, listing essential habitat factors for protected wildlife, certified by the chief executive as an essential habitat database.
- (4) An **essential habitat factor**, for protected wildlife, is a component of the wildlife's habitat, including, for example, a landform, pollinator, regional ecosystem, soil and water, that is necessary or desirable for the wildlife at any stage of its lifecycle.

**Material environmental harm**

As defined in section 16 of the EP Act:

- (1) **Material environmental harm** is environmental harm (other than environmental nuisance)–
- (a) that is not trivial or negligible in nature, extent or context; or
- (b) that causes actual or potential loss or damage to property of an amount of, or amounts totalling, more than the threshold amount but less than the maximum amount; or
- (c) that results in costs of more than the threshold amount but less than the maximum amount being incurred in taking appropriate action to–
- (i) prevent or minimise the harm; and
- (ii) rehabilitate or restore the environment to its condition before the harm.

- (2) In this section–

**maximum amount** means the threshold amount for serious environmental harm.

**threshold amount** means \$5,000 or, if a greater amount is prescribed by regulation, the greater amount.

**Serious environmental harm**

As defined in section 17 of the EP Act:

- (1) **Serious environmental harm** is environmental harm (other than environmental nuisance)–
- (a) that is irreversible, of a high impact or widespread; or
- (b) caused to –
- (i) an area of high conservation value; or
- (ii) an area of special significance; such as the Great Barrier Reef World Heritage Area; or
- (c) that causes actual or potential loss or damage to property of an amount of, or amounts totalling, more than the threshold amount; or
- (d) that results in costs of more than the threshold amount being incurred in taking appropriate action to–
- (i) prevent or minimise the harm; and
- (ii) rehabilitate or restore the environment to its condition before the harm.

- (2) In this section–

**threshold amount** means \$50,000 or, if a greater amount is prescribed by regulation, the greater amount.

**Waste**

As defined in section 13 of the EP Act:

- (1) **Waste** includes anything, other than an end of waste resource, that is –
- (a) left over, or an unwanted by-product, from an industrial, commercial, domestic or other activity; or
- (b) surplus to the industrial, commercial, domestic or other activity generating the waste.

...

- (2) **Waste** can be a gas, liquid, solid or energy, or a combination of any of them.
- (3) A thing can be waste whether or not it is of value.
- (4) Despite subsection (1), an end of waste resource becomes waste—
- (a) when it is disposed of at a waste disposal site; or
  - (b) if it is deposited at a place in a way that would, apart from its use under an end of waste code or end of waste approval, constitute a contravention of the general littering provision or the illegal dumping of waste provision under that Act—when the depositing starts.
- (5) In this section—
- end of waste approval** see the Waste Reduction Act, section 156.
- end of waste code** see the Waste Reduction Act, section 156.
- end of waste resource** means a resource under the Waste Reduction Act, section 156.
- waste disposal site** see the Waste Reduction Act, section 8A.
- Waste Reduction Act** means the Waste Reduction and Recycling Act 2011.