



Duralie Open Pit Modification Environmental Assessment

SECTION 8

ABBREVIATIONS, ACRONYMS AND GLOSSARY



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8	ABBREVIATIONS, ACRONYMS AND GLOSSARY	EPBC Act	<i>Commonwealth Environment Protection and Biodiversity Conservation Act, 1999</i>
8.1	ABBREVIATIONS AND ACRONYMS	EPL	Environment Protection Licence
ACHA	Aboriginal Cultural Heritage Assessment	GBFMP	Giant Barred Frog Management Plan
AHD	Australian Height Datum	Gilbert & Associates	Gilbert & Associates Pty Ltd
ANFO	ammonium nitrate and fuel oil	ha	hectare
AS	Australian Standard	ICAG	Ironstone Community Action Group
bcm	bank cubic metre	IMP	Irrigation Management Plan
BMP	Biodiversity Management Plan	INP	<i>NSW Industrial Noise Policy</i>
BSAL	Biophysical Strategic Agricultural Land	kg	kilogram
CCC	Community Consultative Committee	kg/bcm	kilograms per bank cubic metre
CHPP	Coal Handling and Preparation Plant	km	kilometre
CIC	Critical Industry Clusters	kV	kilovolt
dBA	A-weighted decibel	L/sec	litre per second
DCM	Duralie Coal Mine	LEC	NSW Land and Environment Court
DCPL	Duralie Coal Pty Ltd	LFA	Landscape Function Analysis
DEC	NSW Department of Environment and Conservation	LGA	Local Government Area
DEP	Duralie Extension Project	m	metre
DP&E	NSW Department of Planning and Environment	m/s	metres per second
DPI	NSW Department of Primary Industries	Mbcm	million bank cubic metre
DRE	NSW Division of Resource and Energy	ML	Mining Lease
EA	Environmental Assessment	ML	megalitre
EC	Electrical Conductivity	MOP	Mining Operations Plan
EP&A Act	<i>NSW Environmental Planning and Assessment Act, 1979</i>	MSDS	Material Safety Data Sheet
EPA	NSW Environment Protection Authority	Mt	million tonnes
		Mtpa	million tonnes per annum
		MWD	Main Water Dam
		NAF	non-acid forming

		8.2 GLOSSARY	
NGERs	Commonwealth National Greenhouse and Energy Reporting System		
NOW	NSW Office of Water within the DECCW	Alluvial	A general term for clay, silt, sand and gravel transported by water and deposited on the bed of a floodplain, river or stream.
NPW	<i>National Parks and Wildlife Act, 1974</i>		
NSW	New South Wales	Amenity	Useful and enjoyable quality.
OEH	NSW Office of Environment and Heritage	Aquatic	Living in or on water, or concerning water.
PAF	potentially acid forming		
PAFMMP	Potentially Acid Forming Material Management Plan	Aquifer	A sub-surface rock formation containing water in recoverable quantities.
PHA	Preliminary Hazard Analysis		
PM ₁₀	particulate matter less than 10 microns in size	Background	The condition (e.g. noise levels) already present in an area before the commencement of a specific activity.
PoEO Act	<i>NSW Protection of the Environment Operations Act, 1997</i>		
PRP	Pollution Reduction Programs	Baseflow	The discharge of sub-surface water into a stream (i.e. groundwater seepages).
PSNL	project-specific noise limit		
ROM	run-of-mine		
SCM	Stratford Coal Mine	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.
TSC Act	<i>NSW Threatened Species Conservation Act, 1995</i>		
TSP	total suspended particulate		
μS/cm	microSiemen per centimetre	Bund	An earth, rock or concrete wall or mound constructed to restrict the inflow or outflow of liquids or noise.
%	percent		
°C	degrees Celsius		
		Catchment	The entire land area from which water (e.g. rainfall) drains to a specific watercourse or water body.
		Confluence	A body of water formed by the flowing together of two or more watercourses.

dB	Decibel; unit used to express sound intensity.	Groundwater	All waters occurring below the land surface; the upper surface of the soils saturated by groundwater in any particular area is called the watertable.
dBA	Decibels (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.	Habitat	The particular local environment occupied by an organism.
Decommissioning	Removal or reuse of infrastructure.	Hydraulic gradient	The change in static head (i.e. elevation and pressure) per unit of distance in a given direction. (Units: dimensionless).
Drawdown	The localised lowering of groundwater level.	Intra-generational equity	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.
Ecosystem	An interacting system of animals, plants, other organisms and non-living parts of the environment.	LA _{eq}	The equivalent continuous noise level – the level of noise equivalent to the energy-average of noise levels occurring over a measurement period.
Electrical Conductivity (EC)	The ability of a substance (either solid, liquid or gas) to transmit electricity.	Mitigation	Measures undertaken to limit the adverse impact of natural hazards, environmental degradation and technological hazards.
Emission	The discharge of a substance (e.g. dust) into the environment.	Permeability	The ability of a rock or soil to allow fluid to pass through it.
Fault	Major fracture of the earth's crust caused by the relative movement of the rock masses on either side.	Population	A group of individuals of one species in an area.
Final void	A completed (mined-out) open pit.	Regolith	The unconsolidated mantle of weathered rock, soils and sediment material.
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.	Rehabilitation	The restoration of a landscape and especially the vegetation following its disturbance.

Remnant vegetation	Native vegetation remaining after widespread clearing has taken place.	Undulating	Used to describe topography that is wave-like in appearance.
Riparian	Pertaining to, or situated on, the bank of a body of water, especially a watercourse such as a river.	Waste rock	Uneconomic rock extracted from the ground during mining operation to gain access to the coal.
Run-of-mine (ROM)	Raw coal produced at the DCM.		
Runoff	A portion of precipitation (rain, hail and snow) that flows across the ground surface as water.		
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).		
Seepage	Liquid or fluid such as water, seeping or flowing from beneath the ground to the surface.		
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.		
Terrestrial	Living or growing on the land.		
Total suspended particulate matter (TSP)	The mass of all particulate matter suspended in a solution (e.g. the air).		
Tributary	A smaller watercourse, which discharges into a larger watercourse.		