## ⇒ #### I HANCOCK GALILEE PTY LTD

Kevin's Corner Project Environmental Impact Statement

# Glossary, Abbreviations and Units





#### **Table of Contents**

Apper	ndix C Glossary, Abbreviations and Units	C-2
C.1	Volume 1 – EIS Sections	C-2
C.2	Volume 2 – Appendices	C-18
List c	of Tables	
Table	C-1. Volume One Terms	C-2
Table	C-2. Volume One Abbreviations	C-3
Table	C-3. Volume One Units	C-15
Table	C-4. Volume Two Terms	C-18
Table	C-5. Volume Two Abbreviations	C-18
Table	C-6. Volume Two Units	C-19

## **Appendix C Glossary, Abbreviations and Units**

### C.1 Volume 1 - EIS Sections

Table C-1. Volume One Terms

Term	Definition
The EIS	Kevin's Corner Coal Mine Project Environmental Impact Statement
The Proponent	Hancock Galilee Pty Ltd
The Project	Kevin's Corner Coal Mine Project
aquitard	A saturated geological unit with a relatively low permeability that retards and restricts the movement of water, but does not prevent the movement of water; while it may not readily yield water to boreholes and springs, it may act as a storage unit.
artesian	(Of water) rising to the surface under internal hydrostatic pressure; where the piezometric level is at an elevation higher than ground level.
Commercial Vehicle	A vehicle above 10 tonnes gross vehicle mass.
Degree of Saturation (DOS)	The ratio of arrival (demand) flow rate to capacity during a given flow period.
Delay	The additional travel time experienced by a vehicle at an intersection.
Dynamic water level	Groundwater level within a bore during pumping.
Hydraulic conductivity	Measure of the ease with which water will pass through earth material; defined as the rate of flow through a cross section of one square metre under a unit hydraulic gradient at right angles to the direction of flow (m/day).
Intersection	A place at which two roads meet or cross.
labile	Said of rocks and minerals that are mechanically or chemically unstable; easily decomposed.
Lacustrine	Of a lake, or relating to a lake.
Land System	An area or group of areas that have a re-occurring pattern of topography, soils and vegetation.
Level of Service (LOS)	An index of the operational performance of traffic on a given traffic lane, carriageway, road or intersection, based on service measures such as speed, travel time, delay and degree of saturation during a given flow period.
Midblock	The section of a road between intersections.
Palustrine	Inland marshes and swamps, as well as bogs, fens, tundra and floodplains.
Physical Properties (soil)	Those characteristics, processes or reactions of a soil caused by physical forces, which can be described by, or expressed in, physical terms or equations. These can be difficult to separate from chemical properties, hence the terms, physical-chemical or physio-chemical.
Piezometric level	The elevation to which groundwater levels rise in bores that penetrate confined or semi- confined aquifers.
ply	Bed or sub-seam.
Potentiometric surface	An imaginary surface representing the piezometric pressure or hydraulic head throughout all or part of a confined or semi-confined aquifer; analogous to the water table of an unconfined aquifer.
Riverine	Located on or inhabiting the banks of a river.

Term	Definition
Seagull Intersection	A T-intersection where the right turn-out of the side road gives way to oncoming traffic from the right and is provided with an acceleration lane in the median to merge into the traffic stream approaching from the left.
Soil Classification	The systematic arrangement of soils into groups or categories on the basis of similarities and differences in their characteristics.
Soil Erodibility	The susceptibility of a soil to the detachment and transportation of soil particles by erosive agents.
Soil Structure	Refers to the way soil particles are arranged and bound together to form aggregates or peds.
Soil Texture	The relative proportions of the various soil separates in a soil as described by the classes of soil texture. It is the general coarseness or fineness of soil material as it affects the behaviour of a moist ball (bolus) when pressed between the thumb and forefinger.
subartesian	Water that occur naturally in, or is introduced artificially into, an aquifer, which if tapped by a bore, would not flow naturally to the surface.
Subsoil	Refers to B soil horizon.
T-Intersection	An intersection where two roads meet (whether or not at right angles) and one of the roads ends.
The Project	Kevin's Corner Coal Project
Topsoil	Refers to A1 and A2 soil horizons.
Transmissivity	Transmissivity can be defined as the rate at which water is transferred through a unit width of an aquifer under a unit hydraulic gradient. It is expressed as the product of the hydraulic conductivity and the thickness of the saturated portion of an aquifer.

Table C-2. Volume One Abbreviations

Abbreviation	Definition
AADT	Annual Average Daily Traffic
AARC	AustralAsian Resource Consultants
ABARE	Australian Bureau of Agricultural and Resource Economics
ABCC	Acid Buffering Characterisation Curve
ABS	Australian Bureau of Statistics
ACARP	Australian Coal Association Research Program
ACH Act	Aboriginal Cultural Heritage Act 2003
ACH Act (Qld)	Aboriginal Cultural Heritage Act 2003 (Qld)
ACP	Alpha Coal Project
ADB	Air Dried Basis
ADG	Australian Code for Transport of Dangerous Goods by Road and Rails
ADWG	Australian Drinking Water Guidelines
AEP	Annual Exceedance Probability
AGC	Australian Groundwater Consultants
AHD	Australian Height Datum
AL	Ambient Noise Level

Abbreviation	Definition
ALARP	as low as reasonably practicable
ALC	Agricultural Land Class
ALP	Australian Labor Party
ALS	Australian Laboratory Services
AMD	Acid and Metaliferous Drainage or Acid Mine Drainage
AMIRA	Australian Minerals Industry Research Association
AMP	Archaeological Management Plan
AN	Ammonium nitrate
ANC	Acid Neutralising Capacity
ANFO	Ammonium nitrate fuel oil
ANRA	Australian Natural Resources Atlas
ANRA	Australian Natural Resource Atlas
ANZECC	Australia and New Zealand Environment and Conservation Council
ARD	Acid Rock Drainage
ARI	Average Recurrence Interval
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand
AS	Australian Standard
AS/NZS	Australian Standards/New Zealand Standards
ASC	Australian Soil Classification
ASRIS	Australian Soil Resource Information System
ASS	Acid Sulfate Soils
ATSIHP Act	Aboriginal and Torres Strait Islander Heritage Protection Act 1984
ATP	Authority to Prospect
BFS	Bankability Feasibility Study
bgl	Below ground level
BIBO	Bus-in Bus-out
BMA	BHP Billiton Mitsubishi Alliance Coal Operations Pty Ltd
ВОМ	Bureau of Meteorology
BPA	Biodiversity Planning and Assessment
BRC	Barcaldine Regional Council
BSTP	Bulk Sample Test Pit
CAMBA	China-Australia Bird Agreement
CASA	Civil Aviation Safety Authority
CASR	Civil Aviation Safety Regulations
CBD	Central Business District

Abbreviation	Definition
CCMP	Clermont Coal Mine Project
ccs	Carbon Capture and Storage
CH4	Methane
CHMP	Cultural Heritage Management Plan
CHPP	Coal Handling and Preparation Plant
CHRC	Central Highlands Regional Council
CHSS	Central Highlands Safety Services
CO	Carbon monoxide
CO2	Carbon dioxide
CO2-e	Carbon dioxide equivalent emissions
CO2-e/y	Carbon dioxide equivalent per year
COAG	Council of Australian Governments
CoG	The Coordinator-General of the State of Queensland
CoP	Code of Practice
CPP	Coal Processing Plant
CQU	Central Queensland University
CRC	Cooperative Research Centres
CSG	Coal Seam Gas
CSIA	Cumulative Social Impact Assessment
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CU	Upper C Seam
CV	Commercial Vehicles
DCCEE	Department of Climate Change and Energy Efficiency (Commonwealth Government)
DCS	Qld Department of Community Safety
DEC	Department of the Environment and Conservation, NSW Government
DEEDI	Qld Department of Employment, Economic Development and Innovation
DEM	Digital Elevation Model
DEO	Desired environmental outcome
DERM	Queensland Department of Environment and Resource Management
DEWHA	Department of the Environment, Water, Heritage and the Arts
DEWR	Department of Employment and Workplace Relations
DHLGP	Department of Housing and Local Government Planning
DIDO	Drive-in Drive-out
DIP	Qld Department of Infrastructure and Planning
	Que Department of infrastructure and Frankling

Abbreviation	Definition
DLGP	Department of Local Government and Planning
DLGPSR	Department of Local Government, Planning, Sport and Recreation
DLL	D Lower Seam
DLM	D Middle Seam
DME	Former Qld Department of Mines and Energy (now DEEDI)
DNRM	Department of Natural Resources and Mines
DO	Dissolved oxygen
DOS	Degree of Saturation
DPI	Department of Primary Industries
DSEWPC	Department of Sustainability, Environment, Water, Population and Communities
DTMR	Department of Transport and Main Roads
DU	D Upper Seam
e.g.	For example
EA	Environmental Authority
EC	Electrical conductivity
eCEC	Effective cation exchange capacity
EEO	Energy Efficiency Opportunities
EETM	Emission Estimation Technique Manual
EF	Emission factor
EFO	Environmental Flow Objectives
EIS	Environmental Impact Statement
EM Plan	Environmental Management Plan
EMOS	Environmental Management Overview Strategy
EMR	Environmental Management Register
EMS	Environmental Management System
ENSO	El Niño/La Niña-Southern Oscillation
EP Act	Environmental Protection Act 1994 (Qld)
EP Regulation	Environmental Protection Regulation 2008
EPA	Queensland Environmental Protection Agency
EPBC	Environmental Protection and Biodiversity Conservation
EPBC Act	Environmental Protection and Biodiversity Conservation Act 1999 (CWLTH)
EPC	Exploration Permit for Coal
EPCA	Exploration Permit for Coal Application
EPM	Exploration Permits for Mining
EPHC	Environment Protection Heritage Council

Abbreviation	Definition
EPP	Exploration Petroleum Permit
EPP	Environmental Protection Policy (water, air, waste and noise)
EPP (Air)	Queensland Environmental Protection (Air) Policy 2008
EPP (Noise)	Environmental Protection (Noise) Policy 1997, 2008
EPP (Water)	Environmental Protection (Water) Policy 1997
EPT	Ephemeroptera, Plecoptera and Trichoptera taxa
ERA	Environmentally Relevant Activity
ERE	Endangered Regional Ecosystem
ESA	Environmentally Sensitive Area
ESCP	Erosion and sediment control plan
ESD	Ecologically sustainable development
ESP	Exchangeable Sodium Percentage
EVs	Environmental Values
EVR	Endangered, Vulnerable and Rare
FA	Fisheries Act 1994
FEL	Front End Loader
FFG	Functional Feeding Group
FIFO	Fly-in Fly-out
FML	Flexible membrane liner
FO	Fuel Oil
FTE	Full Time Equivalent
GAB	Great Artesian Basin
GARD	Global Acid Rock Drainage
GARID	Guidelines for the Assessment of Road Impacts of Developments 2006
GBR	Great Barrier Reef
GBRWHA	Great Barrier Reef World Heritage Area
GCL	Geosynthetic clay liner
GDA94	Geocentric Datum of Australia 1994
GDE	Groundwater dependent ecosystem
GDP	Gross Domestic Product
GDR	Great Dividing Range
GGE	Greenhouse Gas Emissions
GHD	Gutteridge Haskins and Davey P/L
GHG	Greenhouse gas
GIS	Geographic information systems

Abbreviation	Definition
GPS	Global positioning system
GQAL	Good Quality Agricultural Land (in State Planning Policy 1/92: Development and the Conservation of Agricultural Land)
GRP	Gross Regional Product
GSV	Gross calorific value
GSV	Ground surface visibility
GVKCDPL	GVK Coal Developers (Singapore) Pte Limited
GWM	Groundwater monitoring
H2	Hydrogen
H2O	Water
H2S	Hydrogen sulphide
H2SO4	Sulphuric acid
HACC	Home and Community Care
HANFO	Heavy Ammonium Nitrate and Fuel Oil
HAZMAT	Hazardous Material
HAZOP	Hazard and Operability Study
HCC	Hancock Consultative Committee
HCI	Hydrochloric acid
HCO3	Bicarbonate
HCPL	Hancock Coal Pty Ltd
HDPE	High Density Polyethylene
HEAT	Heavy Equipment Access Track
HERBREC	Queensland Herbarium Records
HES	High Ecological Significance
HGPL	Hancock Galilee Pty Ltd
HIPAP	NSW Department of Planning's Hazardous Industry Planning Advisory Papers
HMP	Hazard Management Plan
HPPL	Hancock Prospecting Pty Ltd
HPS	High Pressure Sodium
HSEC	Health, Safety, Environmental and Community
HSECH	Health, Safety, Environment, Community and Heritage
HSM	Habitat Suitability Maps
HV	Heavy Vehicle
i.e.	That is,
IAIA	International Association for Impact Assessment
IAP2	International Association for Public Participation Spectrum

IAS Initial Advice Statement, as defined by Part 4 of the State Development & Public Works Organisation Act 1971  ICOMOS International Council on Monuments and Sites  IDAS Integrated Development Assessment System  ILUA Indigenous Land Use Agreement  IMC IMC Pty Ltd  INAP International Network on Acid Prevention  IP Act Integrated Planning Act 1997 (Qid) (repealed, now SPA 2009)  IPCC Intergovernmental Panel on Climate Change or In-Pit Crushing and Conveying  IRC Isaac Regional Council  IRTM Interactive Resource Tenure Map  JAMBA Japan-Australia Migratory Bird Agreement  JORC Joint Ore Reserves Committee  JSC Jericho Shire Council  JSEA Job Safety and Environmental Analysis  JSPS Jericho Shire Planning Scheme 2006  KPIs Key Performance Indicators  K Hydraulic conductivity in metres per day (m/day) or metres per second (m/s)  KC Kevin's Corner  KLC Kinetic leach column  KRA Key Resource Area  LA1, 10, 90 A Weighted Noise Levels Exceeded 1%, 10% or 90% of the Time  LFG Landfill Gas  LGA Local Government Areas  LGAQ Local Government Areas  LGAQ Local Government Area  LGAC Light Industrial Area  LOM Life of Mine  LOS Level of Service  LP Act Land Protection (Pest and Stock Route Management) Act 2002  LPG Liquefled Petroleum Gas  LS Land Suitability  LV Light Vehicle  MAP Mean Annual Precipitation  MDL Mining Development Licence  MH Miss Mine Infrastructure Area	Abbreviation	Definition
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LGAQ Local Government Association of Queensland  LIA Light Industrial Area  LOM Life of Mine  LOS Level of Service  LP Act Land Protection (Pest and Stock Route Management) Act 2002  LPG Liquefied Petroleum Gas  LS Land Suitability  LV Light Vehicle  MAP Mean Annual Precipitation  MDL Mining Development Licence  MH Metal Halide	LFG	Landfill Gas
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LOM Life of Mine  LOS Level of Service  LP Act Land Protection (Pest and Stock Route Management) Act 2002  LPG Liquefied Petroleum Gas  LS Land Suitability  LV Light Vehicle  MAP Mean Annual Precipitation  MDL Mining Development Licence  MH Metal Halide	LGAQ	Local Government Association of Queensland
LOS Level of Service  LP Act Land Protection (Pest and Stock Route Management) Act 2002  LPG Liquefied Petroleum Gas  LS Land Suitability  LV Light Vehicle  MAP Mean Annual Precipitation  MDL Mining Development Licence  MH Metal Halide	LIA	Light Industrial Area
LP Act Land Protection (Pest and Stock Route Management) Act 2002 LPG Liquefied Petroleum Gas LS Land Suitability LV Light Vehicle MAP Mean Annual Precipitation MDL Mining Development Licence MH Metal Halide	LOM	Life of Mine
LPG Liquefied Petroleum Gas  LS Land Suitability  LV Light Vehicle  MAP Mean Annual Precipitation  MDL Mining Development Licence  MH Metal Halide	LOS	Level of Service
LS Land Suitability  LV Light Vehicle  MAP Mean Annual Precipitation  MDL Mining Development Licence  MH Metal Halide	LP Act	Land Protection (Pest and Stock Route Management) Act 2002
LV Light Vehicle  MAP Mean Annual Precipitation  MDL Mining Development Licence  MH Metal Halide	LPG	Liquefied Petroleum Gas
MAP Mean Annual Precipitation  MDL Mining Development Licence  MH Metal Halide	LS	Land Suitability
MDL Mining Development Licence  MH Metal Halide	LV	Light Vehicle
MH Metal Halide	MAP	Mean Annual Precipitation
	MDL	Mining Development Licence
MIA Mine Infrastructure Area	МН	Metal Halide
	MIA	Mine Infrastructure Area

MIC Maximum Instantaneous Change  ML Mining Lease  ML/annum Mega litres per annum  MLA Mining Lease Application  MNES Matters of National Environmental Significance, as defined by the Environment Protection and Biodiversity Conservation Act 1999 (Cwith)  MPA Megapascal  MPA maximum potential acidity  MR Act Mineral Resources Act 1989  MSDS Material Safety Data Sheet  NAF Non Acid Forming  NAG Net Acid Generation  NAPP net acid producing potential  NATA National Association of Testing Authorities  NB "Nota Bene" – note well  NC Act Nature Conservation Act 1992 (Qid)  NCWE National Committee on Water Engineering  NCWR Nature Conservation Wildlife Regulation 1999  NEPC National Environmental Protection Measure  NEPM (Ambient Air Quality)  NET Northern Economic Triangle  NFPA National Greenhouse Accounts  NGER Act National Greenhouse Accounts  NGER Act National Greenhouse Accounts  NGER Act National Greenhouse and Energy Reporting Act 2007  NHMRC National Health and Medical Research Council  NMA non-mine affected  No. Number  NG2 Nitrogen Dioxide  NOBP Notth Queenstand Bulk Ports Corporation  NRM Natural Resource Management	Abbreviation	Definition
ML/annum Mega litres per annum MLA Mining Lease Application MNES Matters of National Environmental Significance, as defined by the Environment Protection and Biodiversity Conservation Act 1999 (Cwith) MPA Megapascal MPA maximum potential acidity MR Act Mineral Resources Act 1989 MSDS Material Safety Data Sheet NAF Non Acid Forming NAG Net Acid Generation NAPP net acid producing potential NATA National Association of Testing Authorities NB "Nota Bene" – note well NC Act Nature Conservation Act 1992 (Qld) NCWE National Committee on Water Engineering NCWR Nature Conservation Wildlife Regulation 1999 NEPC National Environmental Protection Council NEPM National Environment Protection Measure NEPM (Ambient Air Quality) NET Northern Economic Triangle NFPA National Fire Protection Association NGA National Greenhouse Accounts NGER Act National Greenhouse and Energy Reporting Act 2007 NHMRC National Greenhouse and Energy Reporting Act 2007 NHMRC National Health and Medical Research Council NMA non-mine affected No. Number NO2 Nitrogen Dioxide NOHSC National Pollutant Inventory NPR Net Potential Ratio NPWS National Parks and Wildlife Service NOBP North Queensland Bulk Ports Corporation	MIC	Maximum Instantaneous Change
MLA Mining Lease Application  MNES Matters of National Environmental Significance, as defined by the Environment Protection and Biodiversity Conservation Act 1999 (Cwith)  MPa Megapascal  MPA maximum potential acidity  MR Act Mineral Resources Act 1989  MSDS Material Safety Data Sheet  NAF Non Acid Forming  NAG Net Acid Generation  NAPP net acid producing potential  NATA National Association of Testing Authorities  NB "Nota Bene" – note well  NC Act Nature Conservation Act 1992 (Old)  NCWE National Committee on Water Engineering  NCWR Nature Conservation Wildlife Regulation 1999  NEPC National Environmental Protection Council  NEPM (Ambient Air Quality)  NET Northern Economic Triangle  NFPA National Fire Protection Association  NGA National Greenhouse Accounts  NGEA National Greenhouse and Energy Reporting Act 2007  NHMRC National Health and Medical Research Council  NMA non-mine affected  No. Number  NOC2 Nitrogen Dioxide  NOHSC National Pollutant Inventory  NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NOBP North Queensland Bulk Ports Corporation	ML	Mining Lease
MNES Matters of National Environmental Significance, as defined by the Environment Protection and Biodiversity Conservation Act 1999 (Cwith)  MPa Megapascal MPA maximum potential acidity MRAct Mineral Resources Act 1989 MSDS Material Safety Data Sheet NAF Non Acid Forming NAG Net Acid Generation NAPP net acid producing potential NATA National Association of Testing Authorities NB "Nota Bene" – note well NC Act Nature Conservation Act 1992 (Old) NCWE National Committee on Water Engineering NCWR Nature Conservation Wildlife Regulation 1999 NEPC National Environmental Protection Council NEPM National Environment Protection Measure NEPM (Ambient Air Quality) NET Northern Economic Triangle NFPA National Fire Protection Association NGA National Greenhouse Accounts NGER Act National Greenhouse and Energy Reporting Act 2007 NHMRC National Health and Medical Research Council NMA non-mine affected No. Number NO2 Nitrogen Dioxide NOHSC National Parks and Wildlife Service NOBP North Queensland Bulk Ports Corporation	ML/annum	Mega litres per annum
Protection and Biodiversity Conservation Act 1999 (Cwith)  MPa Megapascal  MPA maximum potential acidity  MR Act Mineral Resources Act 1989  MSDS Material Safety Data Sheet  NAF Non Acid Forming  NAG Net Acid Generation  NAPP net acid producing potential  NATA National Association of Testing Authorities  NB "Nota Bene" – note well  NC Act Nature Conservation Act 1992 (Qid)  NCWE National Committee on Water Engineering  NCWR Nature Conservation Wildlife Regulation 1999  NEPC National Environmental Protection Council  NEPM National Environment Protection Measure  NEPM (Ambient Air Quality)  NET Northern Economic Triangle  NFPA National Fire Protection Association  NGA National Greenhouse Accounts  NGER Act National Greenhouse and Energy Reporting Act 2007  NHMRC National Health and Medical Research Council  NMA non-mine affected  No. Number  NO2 Nitrogen Dioxide  NOHSC National Parks and Wildlife Service  NOBP North Queensland Bulk Ports Corporation	MLA	Mining Lease Application
MPA maximum potential acidity MR Act Mineral Resources Act 1989 MSDS Material Safety Data Sheet NAF Non Acid Forming NAG Net Acid Generation NAPP net acid producing potential NATA National Association of Testing Authorities NB "Nota Bene" – note well NC Act Nature Conservation Act 1992 (QId) NCWE National Committee on Water Engineering NCWR Nature Conservation Wildlife Regulation 1999 NEPC National Environmental Protection Council NEPM National Environment Protection Measure NEPM (Ambient Air Quality) NET Northern Economic Triangle NFPA National Fire Protection Association NGA National Greenhouse Accounts NGER Act National Greenhouse and Energy Reporting Act 2007 NHMRC National Health and Medical Research Council NMA non-mine affected No. Number NO2 Nitrogen Dioxide NOHSC National Pollutant Inventory NPR Net Potential Ratio NPWS National Parks and Wildlife Service NOBP North Queensland Bulk Ports Corporation	MNES	
MR Act Mineral Resources Act 1989 MSDS Material Safety Data Sheet NAF Non Acid Forming NAG Net Acid Generation NAPP net acid producing potential NATA National Association of Testing Authorities NB "Nota Bene" – note well NC Act Nature Conservation Act 1992 (Qld) NCWE National Committee on Water Engineering NCWR Nature Conservation Wildlife Regulation 1999 NEPC National Environmental Protection Council NEPM National Environment Protection Measure NEPM (Ambient Air Quality) NET Northern Economic Triangle NFPA National Fire Protection Association NGA National Greenhouse Accounts NGER Act National Greenhouse and Energy Reporting Act 2007 NHMRC National Health and Medical Research Council NMA non-mine affected No. Number NC2 Nitrogen Dioxide NCHSC National Occupational Health and Safety Commission (Australia) NPI National Parks and Wildlife Service NQBP North Queensland Bulk Ports Corporation	MPa	Megapascal
MSDS Material Safety Data Sheet  NAF Non Acid Forming  NAG Net Acid Generation  NAPP net acid producing potential  NATA National Association of Testing Authorities  NB "Nota Bene" – note well  NC Act Nature Conservation Act 1992 (Qld)  NCWE National Committee on Water Engineering  NCWR Nature Conservation Wildlife Regulation 1999  NEPC National Environmental Protection Council  NEPM National Environment Protection Measure  NEPM (Ambient Air Quality)  NET Northern Economic Triangle  NFPA National Fire Protection Association  NGA National Greenhouse Accounts  NGER Act National Greenhouse and Energy Reporting Act 2007  NHMRC National Health and Medical Research Council  NMA non-mine affected  No. Number  NO2 Nitrogen Dioxide  NOHSC National Occupational Health and Safety Commission (Australia)  NPI National Porks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	MPA	maximum potential acidity
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NAPP  NATA  National Association of Testing Authorities  NB  "Nota Bene" – note well  NC Act  Nature Conservation Act 1992 (Qld)  NCWE  National Committee on Water Engineering  NCWR  Nature Conservation Wildlife Regulation 1999  NEPC  National Environmental Protection Council  NEPM  National Environment Protection Measure  NEPM (Ambient Air Quality)  NET  Northern Economic Triangle  NFPA  National Fire Protection Association  NGA  National Greenhouse Accounts  NGER Act  National Greenhouse and Energy Reporting Act 2007  NHMRC  National Health and Medical Research Council  NMA  non-mine affected  No.  Number  NO2  Nitrogen Dioxide  NOHSC  National Occupational Health and Safety Commission (Australia)  NPI  National Pollutant Inventory  NPR  Net Potential Ratio  NPWS  National Parks and Wildlife Service  NOBP  North Queensland Bulk Ports Corporation	NAF	Non Acid Forming
NATA National Association of Testing Authorities  NB "Nota Bene" – note well  NC Act Nature Conservation Act 1992 (Qld)  NCWE National Committee on Water Engineering  NCWR Nature Conservation Wildlife Regulation 1999  NEPC National Environmental Protection Council  NEPM National Environment Protection Measure  NEPM (Ambient Air Quality)  NET Northern Economic Triangle  NFPA National Fire Protection Association  NGA National Greenhouse Accounts  NGER Act National Greenhouse and Energy Reporting Act 2007  NHMRC National Health and Medical Research Council  NMA non-mine affected  No. Number  NO2 Nitrogen Dioxide  NOHSC National Pollutant Inventory  NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NOBP North Queensland Bulk Ports Corporation	NAG	Net Acid Generation
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NEPM (Ambient Air Quality)  NET Northern Economic Triangle  NFPA National Greenhouse Accounts  NGER Act National Health and Medical Research Council  NMA non-mine affected  No. Number  NO2 Nitrogen Dioxide  NOHSC National Occupational Health and Safety Commission (Australia)  NPI National Pollutant Inventory  NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	NCWR	Nature Conservation Wildlife Regulation 1999
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Quality)NeTNorthern Economic TriangleNFPANational Fire Protection AssociationNGANational Greenhouse AccountsNGER ActNational Greenhouse and Energy Reporting Act 2007NHMRCNational Health and Medical Research CouncilNMAnon-mine affectedNo.NumberNO2Nitrogen DioxideNOHSCNational Occupational Health and Safety Commission (Australia)NPINational Pollutant InventoryNPRNet Potential RatioNPWSNational Parks and Wildlife ServiceNQBPNorth Queensland Bulk Ports Corporation	NEPM	National Environment Protection Measure
NFPA National Fire Protection Association  NGA National Greenhouse Accounts  NGER Act National Greenhouse and Energy Reporting Act 2007  NHMRC National Health and Medical Research Council  NMA non-mine affected  No. Number  NO2 Nitrogen Dioxide  NOHSC National Occupational Health and Safety Commission (Australia)  NPI National Pollutant Inventory  NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	•	National Environment Protection Measure (Ambient Air Quality)
NGA National Greenhouse Accounts  NGER Act National Greenhouse and Energy Reporting Act 2007  NHMRC National Health and Medical Research Council  NMA non-mine affected  No. Number  NO2 Nitrogen Dioxide  NOHSC National Occupational Health and Safety Commission (Australia)  NPI National Pollutant Inventory  NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	NET	Northern Economic Triangle
NGER Act National Greenhouse and Energy Reporting Act 2007  NHMRC National Health and Medical Research Council  NMA non-mine affected  No. Number  NO2 Nitrogen Dioxide  NOHSC National Occupational Health and Safety Commission (Australia)  NPI National Pollutant Inventory  NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	NFPA	National Fire Protection Association
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No.       Number         NO2       Nitrogen Dioxide         NOHSC       National Occupational Health and Safety Commission (Australia)         NPI       National Pollutant Inventory         NPR       Net Potential Ratio         NPWS       National Parks and Wildlife Service         NQBP       North Queensland Bulk Ports Corporation	NHMRC	National Health and Medical Research Council
NO2 Nitrogen Dioxide  NOHSC National Occupational Health and Safety Commission (Australia)  NPI National Pollutant Inventory  NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	NMA	non-mine affected
NOHSC National Occupational Health and Safety Commission (Australia)  NPI National Pollutant Inventory  NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	No.	Number
NPI National Pollutant Inventory  NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	NO2	Nitrogen Dioxide
NPR Net Potential Ratio  NPWS National Parks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	NOHSC	National Occupational Health and Safety Commission (Australia)
NPWS National Parks and Wildlife Service  NQBP North Queensland Bulk Ports Corporation	NPI	National Pollutant Inventory
NQBP North Queensland Bulk Ports Corporation	NPR	Net Potential Ratio
·	NPWS	National Parks and Wildlife Service
NRM Natural Resource Management	NQBP	North Queensland Bulk Ports Corporation
	NRM	Natural Resource Management

Abbreviation	Definition
NSESD	National Strategy for Ecologically Sustainable Development (1992)
NSW	New South Wales
NSW RTA	New South Wales Road Traffic Authority
NT Act	Native Title Act 1993
NTC	National Transport Commission
O2	Oxygen
O3	Ozone
OCE	Open Cut Examiner - Statutory Position under the Coal Mining Safety and Health Regulation 2001 (Qld)
ODV	Over Dimensional Vehicles
OEM	Operational Environmental Management
OESR	Office of Economic and Statistical Research
OLC	Overland Conveyor
OQPC	Office of the Queensland Parliamentary Counsel
PAF	Potentially Acid Forming
PAF-LC	Potentially Acid Forming – Low Capacity
Pb	Lead
РВ	Parsons Brinckerhoff
PC	Performance criteria
PFS	Pre-Feasibility Study
P&G Act	Petroleum and Gas (Production and Safety) Act 2004
рН	Measure of Acidity (<7) or Alkalinity (>7) of a Sample.
PHA	Preliminary Hazard Analysis
PIFU	Planning Information and Forecasting Unit
PM	Particulate Matter (fine dust)
PM10	Particulate Matter less than 10 microns
PM2.5	Particulate Matter less than 2.5 microns
PM2.5 and PM10	Particulate matter with an equivalent aerodynamic diameter of 2.5 or 10 micrometres.
PMAV	Property Map of Assessable Vegetation
PMF	Probable Maximum Flood
PMP	Pest Management Plan
PNL	Planning Noise Levels
PPE	Personal Protective Equipment
PSI	Preliminary Site Investigation
PVC	Polyvinyl chloride
PWTP	Potable Water Treatment Plant

Abbreviation	Definition
QAS	Queensland Ambulance Service
QDM	Queensland Department of Mines
QFRS	Queensland Fire Rescue Service
QH Act	Queensland Heritage Act 1992
QHR	Queensland Heritage Register
Qld	Queensland
QPS	Queensland Police Service
QRC	Queensland Resources Council
QWQ	Queensland Water Quality
QWQG	Queensland Water Quality Guidelines
RBL	Rating Background Levels
RE	Regional Ecosystem
REDD	Regional Ecosystem Description Database
RFDS	Royal Flying Doctor Service
RFS	Rural Fire Service
ROKAMBA	Republic of Korea - Australia Migratory Bird Agreement
ROL	Reconfiguration of lots
ROM	Run of Mine
ROP	Resource Operation Plans
ROW	Right of Way
RSL	Returned Service League
RSO	Radiation Safety Officer
RTN	Right to Negotiate
RTO	Registered training organisations
RUMP	Road-Use Management Plan
RUSLE	Revised Universal Soil Loss Equation
SCR	State Controlled Road
SCT	SCT Operations Pty Ltd
SCT	Strata Control Technology
SD	Statistical Division
SDPWO Act	State Development and Public Works Organisation Act 1971
SGCP	South Galilee Coal Project
SIA	Social Impact Assessment
SIAU	Social Impact Assessment Unit
SIDRA	Signalised and Unsignalised Intersection Design and Research Aid

Abbreviation	Definition
SIGNAL	Stream Invertebrate Grade Number – Average Level
SIMP	Social Impact Management Plan
SLA	Statistical Local Area
SNL	Specific Noise Levels
SO2	Sulphur Dioxide
SO4	Sulphate
SOPs	Standard Operating Procedures
SP Act	Sustainable Planning Act 2009
SP Regulation	Sustainable Planning Regulation 2009
SPP	State Planning Policies
SPRP	State Planning Regulatory Provision
SRE	Short Range Endemic
SSE	Senior Site Executive
STP	Sewage Treatment Plant
Т	Transmissivity in square metres per day (m2/day)
TAFE	Technical and Further Education
TAPM	The Air Pollution Model
TARP	Trigger Action Response Plan
TDS	Total Dissolved Solids
TI Act	Transport Infrastructure Act 1994
TIA	Traffic Impact Assessment
TLO	Train Load Out
TMP	Topsoil Management Plan
TOR	Terms of Reference as Defined by Part 4 of the State Development and Public Works Organisation Act 1971
TP Act	Trade Practices Act 1974
TPH	Total Petroleum Hydrocarbons
TR	Tourism Region
TRAMP	Testing, Reporting and Maintenance Program
TSF	Tailings Storage Facility
TSP	Total Suspended Particulates
TSPP	Temporary State Planning Policy
ULP	Unleaded Petrol
UN	United Nations
UNFCCC	United Nations Framework Convention on Climate Change
UQSCTL	University of Queensland's Spontaneous Combustion Testing Laboratory

Abbreviation	Definition
URS	URS Australia Pty Ltd
US EPA	United States Environmental Protection Agency
V:H	Vertical to Horizontal ratio
VAC	Visual Absorption Capability
VEA	Voluntary Environmental Assessment
VIA	Visual Impact Assessment
Vis-NIR-SWIR	Visible, Near Infrared, Short Wavelength Infrared
VKT	Vehicle Kilometres Travelled
VM Act	Vegetation Management Act 1999
VOC	Volatile Organic Compound
VWP	Vibrating wire piezometer
W & J	Wangan & Jagalingou
WA	Water Act 2000
WA EPA	Western Australia Environmental Protection Authority
WEEE	Waste Electrical and Electronic Equipment
WERD	Water Entitlements Registration Database
WHA	World Heritage Area
WHAM	Whitsunday Hinterland and Mackay
WHO	World Health Organisation
WMC	Western Mining Corporation Ltd
WMP	Weed Management Plan
WMS	Water Management System
WONS	Weeds of National Significance
WQO	Water Quality Objectives
WRP	Water Resource Plan
WWTP	Wastewater Treatment Plant

Table C-3. Volume One Units

Unit	Definition
%	Percent
<	Less than
>	Greater than
μg/L	Micrograms per litre
μg/m3	Micrograms (one-millionth of a gram) per cubic meter air
μS/cm	Microsiemens per centimetre
0C	Degrees Celsius
Bt	Billion tonnes
CH4	Methane
dB	Decibels
dB(A)	Unit used to measure 'A-weighted' sound pressure levels
dB(L)	Linear sound pressure levels
dB(Z)	Zero-weighted sound pressure levels
G	Giga
GL/year	Giga litre per year
ha	Hectare(s)
K	Hydraulic Conductivity
kg	Kilogram
kg/ha	Kilogram per hectare
kL	Kilolitres
kL/day	Kilolitres per day
km	Kilometre(s)
km/h	Kilometres per hour
km2	Square kilometre
Kph	Kilometres per hour
kt	Kilotonne
kV	Kilovolt
kVA	Kilovolt-ampere
L	Litres
L/s	Litres per second
L/yr	Litres per year
LA10 (1 hour)	The LA10 level measured over a 1-hour period.
LA10 (18 hour)	The arithmetic average of the LA10 levels for the 18-hour period between 0600 and 2400 hours on a normal working day. It is a common traffic noise descriptor.
LA10 (Time)	The sound pressure level that is exceeded for 10% of the time for which the given

Unit	Definition
	sound is measured.
LA90 (Time)	The A-weighted sound pressure level that is exceeded for 90 per cent of the time over which a given sound is measured. This is considered to represent the background noise e.g. LA90 (15 min)
LAeq (1 hr)	The LAeq noise level for a one-hour period. It represents the highest tenth percentile hourly A-weighted Leq during the period 7 am to 10 pm, or 10 pm to 7 am, (whichever is relevant).
LAeq (15 hr)	The LAeq noise level for the period 7 am to 10 pm. (Day and Evening)
LAeq (9 hr)	The LAeq noise level for the period 10 pm to 7 am. (Night)
LAeq (Time)	Equivalent sound pressure level: the steady sound level that, over a specified period of time, would produce the same energy equivalence as the fluctuating sound level actually occurring. This is considered to represent ambient noise.
LAMax (Time)	The maximum sound level recorded during a specified time interval.
LAMin (Time)	The minimum sound level recorded during a specified time interval.
LAN	Statistical sound measurement recorded on the "A" weighted scale.
LLF	Low frequency noise level in the frequency range 20 Hz to 200 Hz.
LN	Statistical sound measurement recorded on the linear scale.
М	Million or mega
m	Metre
m AHD	Meters Australian Height Datum
m bgl	Metres below ground level
m/d	Metres per day
m/s	Metres per second
m2	Square metres
m3	Cubic metres
m3/h	Cubic metres per hour
m3/s	Cubic metres per second
m3/y	Cubic metres per year
Mbcm	Million bank cubic metres
mg	Milligram (10-3 grams)
mg/kg	Milligrams per kilogram
mg/L	Milligrams per litre
. g/m3	Micrograms per cubic metre
ML	Million litres or megalitre
ML/a	Mega-litres per annum
ML/yr	Megalitres per year
. m	Micrometres
mm	Millimetre

Unit	Definition
mm/day	Millimetres per day
mm/s	Millimetres per second
Mt	Million tonnes
Mtpa	Million tonnes per annum
Mtyr	Million tonnes per year
MW	Megawatt
MWh	Megawatt hours
N/m2	Newtons/m2
Р	Pressure (overpressure)
PJ	Petajoule
ppm	Parts per million
t	Tonnes
t/h	Tonnes per hour
t/m3	Tonnes per cubic metre
tpa	Tonnes per annum
tph	Tonnes per hour
uS/cm	Micro siemens per centimetre (used in electrical conductivity measurements)
W/W	Percentage solution" is an ambiguous term which is used to describe a solution with the unit "%"
yr	Year
μg/L	Micrograms per litre
μg/m3	Micrograms per cubic metre
μm	Micrometres
μS/cm	Microsiemens per centimetre

## C.2 Volume 2 – Appendices

#### Table C-4. Volume Two Terms

Term	Definition
The EIS	Kevin's Corner Coal Mine Project Environmental Impact Statement
The Proponent	Hancock Galilee Pty Ltd

#### Table C-5. Volume Two Abbreviations

Abbreviation	Definition
AADT	Annual Average Daily Traffic
AARC	AustralAsian Resource Consultants
ABARE	Australian Bureau of Agricultural and Resource Economics
ABS	Australian Bureau of Statistics
CLR	Contaminated Land Register
DERM	Department of Environment and Resource Management
EIS	Environmental Impact Statement
EMR	Environmental Management Register
EPC	Exploration Permit Coal
ETA	Electronic Transactions Act
HPPL	Hancock Prospecting Pty Ltd
JORC	Joint Ore Reserves Committee
LOM	Life of Mine
MDL	Mining Development Lease
MLA	Mining Lease Application
MSDS	Material Safety Data Sheet
PSI	Preliminary Site Investigation
TOR	Terms of Reference
URS	URS Australia PTY LTD

Table C-6. Volume Two Units

Unit	Definition
g/L	Grams per litre
ha	hectare
km	kilometre
<	Less than
L	litre
m	metre
μg/m3	Micrograms per cubic metre
μ <b>m</b>	Micrometres
Mtpa	Million tonnes per annum
%	Percent