



STATEMENT OF AUTHORSHIP

EIS prepared by

Name: John Merrell
Executive Manager Environment NSW & ACT

Qualifications: Bachelor of Environmental Science
University of Newcastle

Address: Umwelt (Australia) Pty Limited
75 York Street
Teralba NSW 2284

In respect of: The Mangoola Coal Continued Operations Project as described in the accompanying Environmental Impact Statement.

Applicant Name: Mangoola Coal Operations Pty Limited

Applicant Address: Wybong Road
Muswellbrook NSW 2333
PO Box 495
Muswellbrook NSW 2333

Land to be developed: Refer to Schedule of Lands in Appendix 1

Proposed Development: Mangoola Coal Continued Operations Project

Environmental Impact Statement An Environmental Impact Statement is attached.

Certification I declare that:

- the statement has been prepared in accordance with Schedule 2 of the *Environmental Planning and Assessment Regulation 2000*,
- the statement contains all available information that is relevant to the environmental assessment of the development, activity or infrastructure to which the statement relates; and
- that the information contained in the statement is neither false nor misleading.

Signature:



Name: John Merrell

Date: 1 July 2019

Project Team

Role	Team Member	Company
Glencore Coal Assets Australia		
Project Manager	Brian Pease	Glencore Coal Assets Australia
Approvals Manager	Jason Martin	Glencore Coal Assets Australia
Manager – Approvals and Cultural Heritage, NSW	Tim Walls	Glencore Coal Assets Australia

EIS Role	Team Member and Qualification	Company
EIS Management & Preparation		
Project Director	John Merrell, B Env Sc	Umwelt (Australia) Pty Limited
Project Manager	Daniel Sullivan, B Env Sc	Umwelt (Australia) Pty Limited
Project Coordinator	Naiomi Finlayson, B Urban & Env Planning David Rankin, B Env Sc (Hons)	Umwelt (Australia) Pty Limited
Umwelt Technical Study		
Agricultural Impact Statement	Pam Dean Jones, BA (Geomorphology and Regional Geography) (Hons), Grad Dip Soc Sc (Prehistory) Dr Anne Schneider, PhD (Environmental Science), MSc (Forest Ecology), BSc (Forestry)	Umwelt (Australia) Pty Limited
Biodiversity Assessment	Allison Riley, B Sc Shaun Corry, B Sc (Biology) Travis Peake, B Nat Res (Hons) Ryan Parsons, B Env Sc & Mgmt (Hons)	Umwelt (Australia) Pty Limited
Greenhouse Gas and Energy Assessment	Malcom Sedgwick, B Sc, MBA	Umwelt (Australia) Pty Limited
Historic Heritage Assessment	Tim Adams, BA (Hons) Karyn Virgin, BA (Archaeology) (Hons)	Umwelt (Australia) Pty Limited
Preliminary Risk Screening and Bushfire Hazard Analysis	Tim Proctor, B E (Chemical)(Hons) Chris Bonomini, B E (Chemical)(Hons) Penelope Williams, B Sc	Umwelt (Australia) Pty Limited
Social Impact Assessment	Dr Sheridan Coakes, PhD (Psychology), B App Sc (Psychology) Angela Peace, BA	Umwelt (Australia) Pty Limited

EIS Role	Team Member	Company
Other Technical Specialists		
Aboriginal Archaeology Impact Assessment	Ben Churcher Dr Jodie Brenton Philippa Sokol Stephanie Rusden Thomas Dooley	OzArk Environmental and Heritage Management Pty Ltd
Aboriginal Cultural Heritage Assessment	Dr Shaun Canning	Australian Cultural Heritage Management Pty Ltd
Air Quality Impact Assessment	Shane Lakmaker	Jacobs Group (Australia) Pty Ltd
Peer Review Air Quality Impact Assessment	Dr Nigel Holmes	Atmospheric Physicist
Blasting Impact Assessment	Thomas Lewandowski Katarina Lewandowski	Enviro Strata Consulting Pty Ltd
Economic Impact Assessment	George Michalas Steve Brown Dr Bob Scealy	Cadence Economics
Peer Review Economic Impact Assessment	Emeritus Professor Jeff Bennett	Environmental & Resource Economics
Noise Impact Assessment	Jeremy Welbourne Tony Welbourne	Global Acoustics Pty Ltd
Peer Review Noise Impact Assessment	Najah Ishac Katie Teyhan	EMM Consulting
Geochemical Assessment	Warwick Stewart	Environmental Geochemistry International Pty Ltd
Groundwater Impact Assessment	James Tomlin Laura Bellis Neil Manewell Duncan Irvine	Australasian Groundwater and Environmental Consultants Pty Ltd
Peer Review Groundwater Impact Assessment	Dr Noel Merrick	HydroAlgorithmics Pty Ltd
Surface Water Assessment	Tony Marszalek	Hydro Engineering and Consulting Pty Ltd
Soils Assessment	EMM Consulting & MineSoils	
Stygofauna Assessment	Peter Hancock	Eco Logical Australia Pty Ltd
Traffic and Transport Assessment	Paul Youman Mark Lucas	GHD