



APPENDIX A4

## **Supplementary EIS Study Team**



environmental projects





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environmental projects



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**Papari Radiation Services**  
Radiation Protection in Mining and the Environment

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## ADELAIDE BASED CORE SUPPLEMENTARY EIS TEAM

### PROJECT MANAGEMENT

Person	Company	Role/Responsibility
Marc Vogts	BHP Billiton	Project Director – Olympic Dam Expansion
Steve Green	BHP Billiton	Sustainability Manager
Andy Marks	ARUP	Project Director
Dr Michael Ryan	Gamut Consulting Pty Ltd	Project Manager and Principal Author, Introduction, Consolidated List of Commitments, Project Justification, Project Alternatives, Cumulative Effects chapters

### CORE SEIS TEAM

Person	Company	Role/Responsibility
Kara Boughton	Gamut Consulting Pty Ltd	Manager – Terrestrial Ecology, Rehabilitation and Closure chapters
Rose Bowey	Rose Bowey & Associates	Manager – Social, Non-Aboriginal Heritage chapters
James Brook	SEA Pty Ltd	Diver/Marine ecologist
Cathryn Charnock	Cathryn Charnock Corporate Publishing	Lead Editor, Document Production Manager
Dr Emma Cronin	SEA Pty Ltd	Diver/Marine ecologist
Rachel Farrugia	Rachel Farrugia	Manager – Groundwater, Surface Water chapters, Document Production Manager
Maria Furulis	Environmental Projects Pty Ltd)	Environmental Management Plans
Leah Grantham	BHP Billiton	Manager – Stakeholder Consultation and Engagement chapter, Government liaison, community engagement
Jim Hondros	JRHC Enterprises Pty Ltd	Manager – Health and Safety, Hazard and Risk, Radiation, Product Stewardship and the Nuclear Fuel Cycle, Submissions on Commitments chapters
Aimee Hughes	Arup	Financial and Contracts Manager
Andrew Irving	BHP Billiton	Manager – NT Transport Option, Traffic chapters, Emergency response
Pierre James	Gamut Consulting Pty Ltd	GIS specialist
Catherine Mooney	BHP Billiton	Government liaison, community engagement, Stakeholder Consultation and Engagement chapter
Darren Niejalke	BHP Billiton	Principal Sustainability Advisor
David Probert	SMEC Pty Ltd	Manager – Land Use, Visual Amenity chapters, water supply alternatives
Dr Barbara Radcliffe	Gamut Consulting Pty Ltd	Radiation, safety, RSF run-off and ecological impacts
Natalie Rowland	Gamut Consulting Pty Ltd	Administration
Jacki Rushby	Jacki Rushby Consulting Pty Ltd	Administration Manager
Abby Stanton	Appoint Human Resources	Administration
Lisa Williams	Gamut Consulting Pty Ltd	Manager – Legislation, Soils, Economics, Environmental Management Framework chapters
David Wiltshire	SEA Pty Ltd	Manager – Marine chapter
David Winterburn	Lathwida Pty Ltd	Manager – Project Description, Greenhouse Gas, Air Quality, Noise and Vibration, Mining-induced seismicity chapters
Richard Yeeles	Richard Yeeles Consulting Pty Ltd	Manager – Aboriginal Heritage Chapter, government liaison, peer review committee

## EXPERT PEER REVIEWERS

Person	Company	Role/Responsibility
Dr Rick Nunes-Vaz	SEA Pty Ltd	Hydrodynamic modelling, oceanographic processes
Doug Treloar	Cardno Lawson Treloar	Hydrodynamic modelling
Rens Verburg	Golder Associates Pty Ltd	Hydrogeochemistry
Jan Vermaak	Golder Associates Pty Ltd	Hydrogeology
Dr Michael Warne	CSIRO	Ecotoxicology
John Waterhouse	Golder Associates Pty Ltd	Hydrogeology
Rob Wild	HR Wallingford	Hydrodynamic modelling

## BHP BILLITON – KEY SEIS INPUT

Person	Company	Role/Responsibility
Nick Allen	BHP Billiton	Corporate governance, peer review
Karen Beck	BHP Billiton	Finance and scheduling
Phillip Bryant	BHP Billiton	Senior radiation advisor
Jessica Burckhardt	BHP Billiton	Environment
Alan Burgess	BHP Billiton	Tailings
Angela Conroy	BHP Billiton	Sustainability
Blair Douglas	BHP Billiton	Hydrogeology
Kathy Ehrig	BHP Billiton	Principal geometallurgist
Jeremy Folwell	BHP Billiton	Tailings
Frank Harris	BHP Billiton	Radiation and environment
Simon Hilder	BHP Billiton	Air quality
Amanda Hudson	BHP Billiton	Community
Simon Hunt	BHP Billiton	Desalination plant and water supply pipelines
Kelli-Jo Kovac	BHP Billiton	Environment
Cameron Lawrence	BHP Billiton	Radiation
Alexandra Maddern	BHP Billiton	Legal
Simone Mercer	BHP Billiton	Hydrogeology
Yvette Mooney	BHP Billiton	Community liaison officer
James Nagel	BHP Billiton	Superintendent, open pit planning
Peter Paisley	BHP Billiton	Land management
Murray Tyler	BHP Billiton	Senior Sustainability Advisor
Rob West	BHP Billiton	Ore processing
Phil Wigley	BHP Billiton	Principal Engineer – Integration
Kym Winter-Dewhirst	BHP Billiton	Government liaison, community engagement
Ian Wood	BHP Billiton	Corporate governance, peer review

## SPECIALIST SUB CONSULTANTS

### ADMINISTRATION/FINANCE

Person	Company	Role/Responsibility
Karen Jenkins	AECOM Australia Pty Ltd	Finance
Sandy Miles	AECOM Australia Pty Ltd	Research
Vanessa Allen	ARUP	Administration
Philip Jennings	ARUP	Finance and contracts
Rob Robson	ARUP	Commercial Director

### SEIS EDITING/DOCUMENT PRODUCTION

Person	Company	Role/Responsibility
Tom Dougherty	Cathryn Charnock Corporate Publishing	Editing
Mike Jaensch	Cathryn Charnock Corporate Publishing	Editing
Jennifer Liston	Cathryn Charnock Corporate Publishing	Editing
Peter Lockett	Cathryn Charnock Corporate Publishing	Editing
William Tennent	Cathryn Charnock Corporate Publishing	Graphic design

### DOCUMENT REVIEWER

Person	Company	Role/Responsibility
Cathy Crawley	ARUP	Commercial risk review

### MINING-INDUCED SEISMICITY

Person	Company	Role/Responsibility
Kevin McCue	Australian Seismological Centre/ Gamut Consulting Pty Ltd	Seismology/Earthquakes

### SURFACE WATER

Person	Company	Role/Responsibility
John Chapman	SRK	Rock storage facility runoff

### GROUNDWATER

Person	Company	Role/Responsibility
Kristelle Gentil	AECOM Australia Pty Ltd	RSF kinetic testing
Chris Gimber	AECOM Australia Pty Ltd	Geochemistry/Kinetic testing
Peter Scott	AECOM Australia Pty Ltd	Geochemistry/Kinetic testing
Gary Bentel	Bentel Family Trust	Tailings
Daniel Barclay	Schlumberger Water Services	Hydrogeology
Gareth Price	Schlumberger Water Services	Hydrogeology
Gayle Bruggemann	Sinclair Knight Merz	GIS and mapping
Kate Furness	Sinclair Knight Merz	Hydrogeology
Paul Howe	Sinclair Knight Merz	Hydrogeology
Kate Hyland	Sinclair Knight Merz	Hydrogeology
Tom McCarthy	Sinclair Knight Merz	Environmental assessment

## GROUNDWATER (cont'd)

Person	Company	Role/Responsibility
Dan Pierce	Sinclair Knight Merz	Hydrogeology
Alistair Walsh	Sinclair Knight Merz	Environmental assessment
John Chapman	SRK	Geochemistry, tailings storage facility geochemical modelling, rock storage facility summary review

## AIR QUALITY

Person	Company	Role/Responsibility
David Rollings	AECOM Australia Pty Ltd	Air quality modelling
Mark Hibberd	CSIRO Division of Marine and Atmospheric Research	Air quality CFD methodology advisor

## BASELINE POLLUTANT MONITORING

Person	Company	Role/Responsibility
Jorge Martinez	AECOM Australia Pty Ltd	Sampling (marine sediments and air)

## NOISE AND VIBRATION

Person	Company	Role/Responsibility
Sarah Alper	ARUP	Noise and vibration reviewer
Willem Gouthro	ARUP	Noise and vibration
Cameron Hough	ARUP	Blasting

## MARINE ENVIRONMENT

Person	Company	Role/Responsibility
Anne Barthelemy	Amog Consulting	Bow wave and propeller wash study in USG
Matthew Fitzgerald	Amog Consulting	Bow wave and propeller wash study in USG
Tim Lee	Amog Consulting	Bow wave and propeller wash study in USG
Reza Taghipour	Amog Consulting	Bow wave and propeller wash study in USG
Michael Barry	BMT WBM Pty Ltd	Hydrodynamic modelling
Markus Billerbeck	BMT WBM Pty Ltd	Oceanographic data collection
Daniel Botelho	BMT WBM Pty Ltd	Hydrodynamic modelling
Greg Collecutt	BMT WBM Pty Ltd	Hydrodynamic modelling
Joe Desmond	BMT WBM Pty Ltd	Oceanographic data collection
Fanny Houdre	BMT WBM Pty Ltd	Hydrodynamic modelling
Tony McAlister	BMT WBM Pty Ltd	Hydrodynamic modelling
Craig Morgan	BMT WBM Pty Ltd	Hydrodynamic modelling (field data collection)
Graeme Noll	Care of Our Environment	Larval entrainment, sediment analysis
Ruan Gannon	Care of Our Environment	Larval entrainment
Francisco Neira	Care of Our Environment	Larval entrainment
Joe Mifsud	Care of Our Environment	Larval entrainment
Anna Waller	Care of Our Environment	Larval entrainment
Jason Antenucci	Centre for Water Research	Hydrodynamic modelling
Peter Yeates	Centre for Water Research	Hydrodynamic modelling

## MARINE ENVIRONMENT (cont'd)

Person	Company	Role/Responsibility
David Strom	Geotechnical Services Pty Ltd	Ecotoxicology
Daniel Ahrens	GHD Pty Ltd	Water quality testing
Jill Woodworth	GHD Pty Ltd	Ecotoxicology
Dr Anthony Cheshire	Science to Manage Uncertainty	Potential environmental offsets
David Donnelly	SEA Pty Ltd	Dolphin survey at Point Lowly
Sue Gibbs	SEA Pty Ltd	Dolphin survey at Point Lowly
Karina Hall	SEA Pty Ltd	Australian Giant Cuttlefish population survey
Tony Miskiewicz	SEA Pty Ltd	Larval entrainment
Melinda Rekdahl	SEA Pty Ltd	Dolphin survey at Point Lowly
Francisco Viddi	SEA Pty Ltd	Dolphin survey at Point Lowly
Tony Bramley	Whyalla Diving Services	Diving logistics and support

## SOCIAL ENVIRONMENT

Person	Company	Role/Responsibility
Margaret Heylen	Margaret Heylen	Andamooka social impact assessment

## ECONOMIC ASSESSMENT

Person	Company	Role/Responsibility
Melanie Kelly	Deloitte Economics	Economics
Jon Stanford	Deloitte Economics	Economics
Professor Phillip Adams	Monash University, Centre of Policy Studies	Economics

## HEALTH AND SAFETY

Person	Company	Role/Responsibility
Phoebe Cheng	ARUP	Risk and security
Daniel Gallagher	ARUP	Transport planner
John Wheadon	ARUP	Risk consultant
Phillip Crouch	Papari Radiation Services/ AECOM Australia Pty Ltd	Radiation protection
Sharon Paulka	Paulka Radiation & Environment Pty Ltd	Radiation
Doug Schultz	Sinclair Knight Merz	Maritime safety review

## NUCLEAR FUEL CYCLE SAFEGUARDS

Person	Company	Role/Responsibility
Andrew Leask	Andrew Leask	Specialist consultant

## EMP FRAMEWORK

Person	Company	Role/Responsibility
Louise Lavery	Environmental Projects	Environmental management plan framework and associated documentation support
Laura Rollison	Environmental Projects	Environmental management plan framework and associated documentation support
Frank Placanica	Environmental Projects	Sustainability and industrial research and development support