



ENVIRONMENTAL ASSESSMENT

Northparkes Mines Step Change Project

JULY 2013



VOLUME 1
Main Text





VOLUME 1 Main text

- 1.0 Introduction
- 2.0 Project Description
- 3.0 Planning Considerations
- 4.0 Stakeholder Consultation
- 5.0 Environmental Assessment
- 6.0 Statement of Commitments
- 7.0 Conclusion & Ecologically Sustainable Development
- 8.0 References
- 9.0 Abbreviations & Acronyms

VOLUME 2 Appendices 1 - 9

- 1 Schedule of Lands, Project Team & Statement of EA Authorship
- 2 Director-General's Requirements
- 3 Environmental Risk Analysis
- 4 Rehabilitation & Mine Closure
- 5 Agricultural Impact Assessment
- 6 Air Quality Impact Assessment
- 7 Noise Impact Assessment
- 8 Blasting Impact Assessment
- 9 Flora & Fauna Assessment

VOLUME 3 Appendices 10 - 16

- 10 Groundwater Impact Assessment
- 11 Surface Water Assessment
- 12 Traffic Impact Assessment
- 13 Aboriginal Cultural Heritage Assessment
- 14 Greenhouse Gas & Energy Assessment
- 15 Social Impact Assessment
- 16 Economic Assessment



Appendix 1



Schedule of Lands, Project Team &
Statement of EA Authorship

STATEMENT OF AUTHORSHIP

EA prepared by: Umwelt (Australia) Pty Limited

Name: Tim Crosdale
Manager Environmental Assessment and Management / Associate

Qualifications: Bachelor of Natural Resources (Honours 1), Bachelor of Urban and Regional Planning
University of New England

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

In respect of: Northparkes Mines Step Change Project including proposed continuation of underground block cave mining and development of new open cut and underground mining areas as described in the accompanying Environmental Assessment

Applicant Name: North Mining Limited

Applicant Address: Bogan Road
PO BOX 995
Parkes NSW 2870

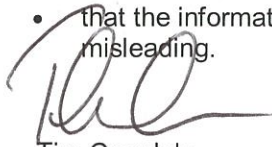
Land to be developed: Refer to Schedule of Lands attached.

Proposed Development: Northparkes Step Change Project

Environmental Assessment: An Environmental Assessment 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: Tim Crosdale

Date: July 2013

Schedule of Lands

| LOT | DP | OWNER |
|------|---------|---|
| 46 | 753998 | PEKO-WALLSEND OPERATIONS LIMITED |
| 1 | 818783 | NORTH MINING LIMITED |
| 41 | 753998 | PEKO-WALLSEND OPERATIONS LIMITED |
| 49 | 753998 | NORTH MINING LIMITED |
| 14 | 753998 | PEKO-WALLSEND OPERATIONS LIMITED |
| 1 | 848944 | STATE RAIL AUTHORITY OF NEW SOUTH WALES |
| 1 | 952674 | STATE RAIL AUTHORITY OF NEW SOUTH WALES |
| 7001 | 1115837 | THE STATE OF NSW |
| 10 | 1132130 | NORTH MINING LIMITED |
| 51 | 753998 | THE STATE OF NSW |
| 7001 | 1116929 | THE STATE OF NSW |
| 1 | 831622 | PEKO-WALLSEND OPERATIONS LIMITED |
| 2 | 830291 | PEKO-WALLSEND OPERATIONS LTD |
| 3 | 831119 | PEKO-WALLSEND OPERATIONS LTD |
| 12 | 753998 | PEKO-WALLSEND OPERATIONS LIMITED |
| 1 | 830291 | PEKO-WALLSEND OPERATIONS LTD |
| 1 | 831119 | PEKO-WALLSEND OPERATIONS LIMITED |
| 382 | 1108642 | NORTH MINING LIMITED |
| 381 | 1108642 | CROWN LAND |
| 43 | 1120299 | NORTH MINING LIMITED |
| 41 | 1120299 | NORTH MINING LIMITED |
| 42 | 1120299 | NORTH MINING LIMITED |
| 3 | 830291 | PEKO-WALLSEND OPERATIONS LIMITED |
| 7002 | 1116907 | THE STATE OF NSW |

Project Team

Umwelt (Australia) Pty Limited – EA Preparation

| | |
|---|---|
| Barbara Crossley, Director B Nat Res (Hons) | Project Director, Strategic Direction, Environmental Assessment Review and Strategic Consultation |
| Tim Crosdale, Manager Environmental Assessment and Management/Associate B Nat Res (Hons 1) and B Urb & Reg Plan | Project Manager; Client, Subconsultant and Stakeholder Liaison; and Environmental Assessment Preparation. |
| Phillip Weir, Senior Environmental Scientist B Soc Sc (Hons 1), M Mar Mgt | Project Coordinator; Client, Subconsultant and Stakeholder Liaison; and Environmental Assessment Writing |
| Dr Justin Meleo, Senior Consultant B. Sc. (Hons 1), PhD | Environmental Assessment writing |
| Elliot Holland, Environmental Scientist B Env. Sci. | Environmental Assessment writing |
| Travis Peake, Manager Ecology/Associate B Nat Res(Hons) | Flora and Fauna Assessment |
| Steven Cox, Senior Ecologist B App Sc (Hons) | Flora and Fauna Assessment |
| Susan Shield, Technical Engineering Manager/Associate B E (Hons), M E (Water), | Surface Water Assessment |
| Dr Adam Wyatt, Senior Environmental Engineer B Eng (Env), PhD | Surface Water Assessment |
| Andy Goodwin, Social and Environmental Analyst B Lib Stud (Hons) | Social Impact Assessment |
| Tim Adams, Senior Archaeologist BA (Hons) | Historic Heritage |
| Malcolm Sedgwick, Senior Energy & Greenhouse Specialist B Sc | Greenhouse Gas Assessment |
| Matthew Newton, Associate B Env Sc (Hons) | Rehabilitation and Closure |
| Jon Keena, Environmental Coordinator – Rehabilitation and Closure Planning Dip Cons & Land Mgt | Rehabilitation and Closure |
| Tim Procter, Manager Engineering Services/Associate B Eng (Hons) Chem | Noise Impact Assessment |
| Anthony van der Horst, Process/Environmental Engineer B Eng (Hons) Chem | Noise Impact Assessment |
| Chris Bonomini, Senior Environmental/Process Engineer B Eng (Chem) | Hazard and Risk Assessment |

| | |
|---|-----------------------------------|
| Penelope Williams Environmental Scientist B Sci | Bushfire Assessment |
| Rebecca Abbott, Drafting Coordinator | Drafting |
| Ian Kennedy, Manager – Design, Drafting & GIS | Drafting and Graphic Design |
| Elizabeth Emmanuel | Report formatting and compilation |

Other Specialist Investigations

| | |
|--|--------------------------------|
| Central Queensland Cultural Heritage Management | Cultural Heritage Assessment |
| WHK Agricultural Consultants | Agricultural Impact Assessment |
| Sinclair Knight Merz Pty Limited | Air Quality Impact Assessment |
| SLR Consulting Australia Pty Ltd | Blasting Impact Assessment |
| Gillespie Economics | Economic Impact Assessment |
| Golder Associates | Groundwater Impact Assessment |
| Heritage Computing | Third Party Groundwater Review |
| Transport and Urban Planning | Traffic Impact Assessment |

North Mining Limited

The assistance of the following North Mining Limited personnel during the preparation of this EA is gratefully acknowledged. In addition, personnel from North Mining Limited provided details regarding the project and participated in the community consultation process.

| | |
|---------------------------|---|
| Andrew Lye | Northparkes Mines – General Manager Projects |
| Brad Welsh | Northparkes Mines - Manager Community and External Affairs |
| Nicole Gregory | Northparkes Mines - Superintendent – Environment and Health |
| Angus Wyllie | Northparkes Mines - Underground Production Superintendent |
| Teagan Lundy-Stern | Northparkes Mines - Senior Environment Advisor |