

Mount Owen Continued Operations Project

INFORMATION SHEET

Property ID 116 – Glennies Creek Road

October 2013

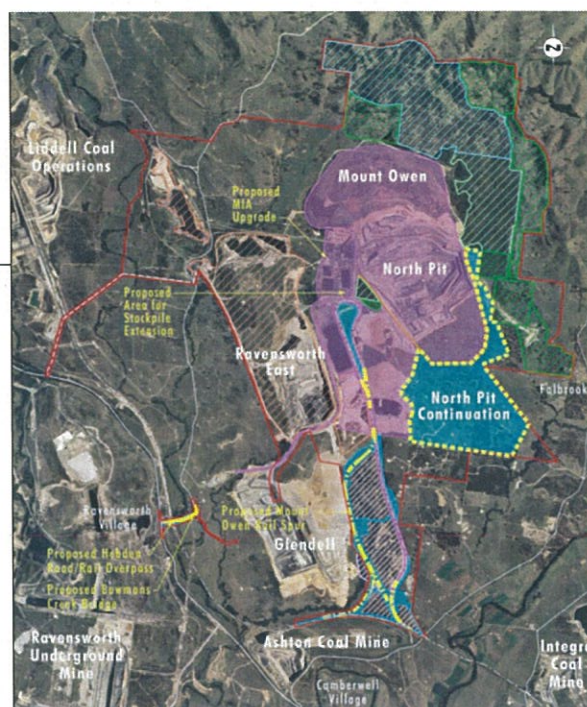
Purpose of this Property Information Sheet

You will have previously received Community Information Sheets relating to the Project in December 2012 and April 2013 as well as an invite to our Open Day held at Mount Owen Mine on 19 May 2013. A further Community Information Sheet will be distributed in November 2013. This Property Information Sheet has been developed to provide you with an overview of the Project (below) and more detailed information on the potential impacts specifically for you and your property (over page).

The Mount Owen Continued Operations Project

The key features of the Mount Owen Continued Operations Project are shown in the figure (refer right) and include:

- The continuation of existing operations for a further 12 years, with the mine footprint extending to the south
- Continued employment at Mount Owen, which currently stands at approximately 660 people, with an additional peak workforce of about 330 required for the Project's construction phase
- No increase in the rate of mining and no change in operating hours
- An increase in the maximum allowable rate of coal processing to match the existing mining production rate of the Mount Owen Complex, from 15 to 17 million tonnes per annum run-of-mine coal
- Use of the Ravensworth East voids and North Pit Continuation Area for tailings emplacement
- Infrastructure road works, including Hebden Road upgrade works (rail overpass and new Bowmans Creek Bridge)
- Alterations to the existing Mount Owen rail line with an additional line and northern turn out
- Upgrades to the existing mine infrastructure area, including the product coal stockpile pad, and
- Use of existing Ravensworth East conveyor to send run-of-mine coal and gravel as required to Glencore's neighbouring Operations.



Legend

- Project Area
- Approved North Pit Shell
- Proposed North Pit Continuation
- Proposed Rail Upgrade Works
- Proposed Hebden Road Upgrade Works
- Proposed Disturbance Area
- Approved Mount Owen Operational Area
- Approved Ravensworth East Operational Area
- New Forest Area
- Existing Biodiversity Offset Area
- Ravensworth State Forest
- Bettys Creek Habitat Management Zone

Consultation

To date meetings have been held with government and community stakeholders and over 40 local residents and landholders. The Project team is in the process of meeting again with local residents and landholders to discuss the results of the environmental studies.

We will also be holding another Community Information Day in the local area during November/December 2013 for which you will receive an invitation soon. You will also have an opportunity to lodge a formal submission on the Project if you wish during the Department of Planning & Infrastructure public exhibition period. We value your input and thank you for taking the time to be involved.

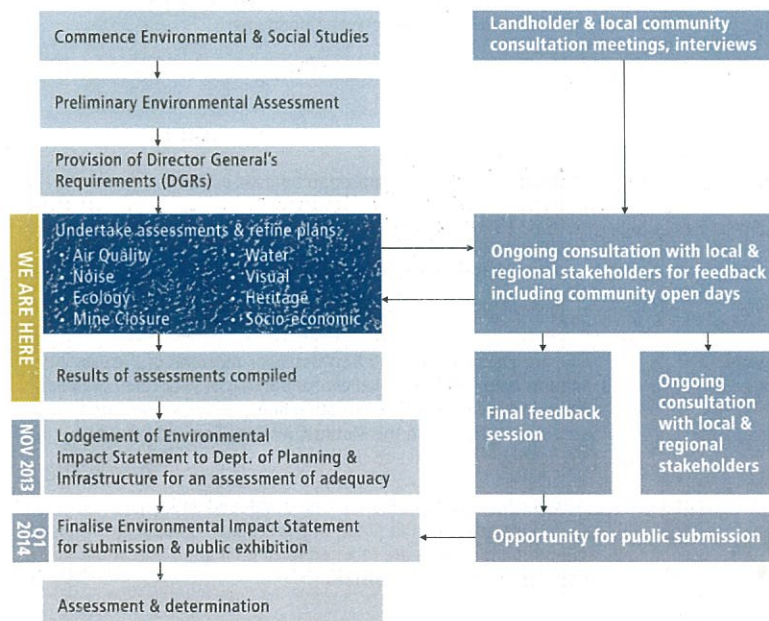
Want More Information?

If you would like further information in relation to the content of this Information Sheet or would like to further discuss any aspect of the Project, please contact:

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Steps of the Assessment Process



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Overview of the Environmental Studies

The Environmental Impact Statement (EIS) for the Project is being completed by Umwelt Australia, environmental consultants, which also includes a Social Impact and Opportunities Assessment completed by Coakes Consulting, social impact specialists. The results of the technical studies are now complete and the EIS is currently being prepared for submission to the Department of Planning and Infrastructure. We have included some information about key study outcomes as they relate specifically to your property and residence. These include dust, noise, blasting and traffic.

You may also have raised other issues, which have been addressed in the broader environmental studies and will be included in the Community Information Sheet due to come out in November 2013.



Key Issues

Environmental Aspect	Summary of overall results	Property Specific Results Property ID 116	Mitigation & Management
Air Quality	<p>2 properties (residence or >25% of vacant land) predicted to experience dust levels above the project only criteria.</p> <p>3 residences predicted to experience dust levels above the cumulative annual average level. However these four private properties are currently subject to levels above criteria and have acquisition rights under existing development consents.</p>	<p>Predicted dust levels expected to be above the criteria from Year 10 of the Project, approximately 2025. It is expected that the land owner will have acquisition rights if the project is approved.</p>	<p>Mitigation measures proposed to be used include:</p> <ul style="list-style-type: none"> • haul road dust control efficiency of 85% (exceeds current target criteria) • modification of operations at exposed locations to reduce dust impacts • apply temporary treatment (e.g. rehabilitation) to overburden areas to reduce wind erosion • optimise the Mount Owen reactive/predictive air quality control system to inform operational dust management
Noise	<p>Over the life of the project:</p> <ul style="list-style-type: none"> • 5 properties (residence or >25% of vacant land) predicted to experience noise above affectation criteria (40dBL) • 6 properties predicted to require active management of noise (>37dBL and <40dBL) • 11 properties predicted to experience noise above 35dBL (project specific noise limit) but less than 37dBL <p>Predicted noise levels are based on winter evening/night when conditions are considered worse than during other times.</p>	<p>No predicted impacts</p>	<p>Mitigation measures proposed to be used include:</p> <ul style="list-style-type: none"> • haul road designed to be below natural surface and use of strategic noise bunds • modification of operations during adverse meteorological conditions if required • continuous and attended noise monitoring • review of noise monitoring data and adaptive management • implementation of management/mitigation measures on properties affected (e.g. air conditioning, improved sealing to windows and doors and installation of insulation) based on discussions with the relevant landowner
Blasting	<p>Blasting can be managed within the relevant criteria for ground vibration and airblast (overpressure).</p>	<p>No predicted impacts</p>	<p>Mitigation measures proposed to be used include:</p> <ul style="list-style-type: none"> • detailed design to be undertaken of each blast including consideration of meteorological conditions and application of appropriate charge mass and blast practice • implementation of the 500m exclusion zone to manage flyrock
Traffic	<p>Mount Owen propose to construct a rail overpass and new Bowmans Creek Bridge on Hebden Road to improve traffic flow and road safety.</p> <p>No significant increase to operational employee numbers required. Peak workforce of approximately 330 personnel for the construction phase of the Project (approximately 18 months).</p>	<p>No predicted impacts</p>	<p>The proposed rail line and northern turn-out west of the existing Mount Owen rail line will allow for parking of Glencore rail fleet when not in service on the existing line and allow Glencore trains to turn around within the Mount Owen rail line and return to Glencore owned mines to the west.</p> <p>A Traffic Management Plan will be developed and implemented during the construction phase of the Project. No specific mitigation measures are required for the ongoing operations in relation to traffic and transport.</p>