

<b>Unit:</b>	<b>Environmental Sustainability</b>
<b>Branch/Division:</b>	<b>Geological Survey of NSW - Division of Resources &amp; Geoscience</b>
<b>Subject:</b>	<b>Rehabilitation Outcomes – Mount Pleasant Modification 3</b>

## Background

It should be noted that under the conditions of a mining authority granted under the Act, the Division requires an authority holder to adopt a risk-based approach to achieving the required rehabilitation outcomes. The applicability of the controls to achieve effective and sustainable rehabilitation is to be determined based on the site specific risk assessments conducted by an authority holder.

Risk assessment should be used to not only establish a basis for managing risk when planning an activity, but it should also be used and updated (as required) to continuously evaluate risk and the effectiveness of controls used to prevent or minimise impacts.

## Additional information

The Division advises that environmental risks have not been adequately addressed in the EA for the Project. Additional information is required to demonstrate that sustainable rehabilitation outcomes can be achieved as a result of the Project in accordance with the condition 53 of the Consent.

Additional information required of the Proponent is as follows:

1. Details of post-mining land uses, including areas for grazing and target vegetation communities. Specific rehabilitation objectives and preliminary completion criteria for land capability for grazing/pasture and target native vegetation are to be provided. Where areas are to be returned to native vegetation communities, key rehabilitation objectives should include vegetation composition, vegetation structure and ecosystem function.
3. Further information relating to the natural landform design is required as the landform should be finalised given the known emplacement volumes. Detailed modelling of the final landform must address the following issues:
  - The integration of a natural landform design (e.g. macro and micro-relief)
  - The design parameters for the South Pit Eastern Out of Pit Emplacement
  - Maximises opportunities for external drainage
  - Minimise reliance on linear drop structures.

4. Details of the proposed mine layout and scheduling with the objective of maximising opportunities for progressive rehabilitation are to be provided. This should include mapping the proposed rehabilitation schedule (yearly) against production milestones in order to provide clear means of assessing future compliance with the mining lease and development consent modification in regards to progressive rehabilitation that is undertaken.
5. Development of rehabilitation monitoring and research is to be undertaken and a draft program provided.
6. A risk assessment of the barriers and limitations to rehabilitation is to be developed. The rehabilitation strategies are to demonstrate how these risks have been addressed.

The Division notes that a rehabilitation strategy is required to be developed under condition 54 of the consent, this should also include an outline of the rehabilitation methodology is to be provided.