
Appendix B

Mitigation measures

B.1 Summary of mitigation measures

Table B.1 provides a summary of mitigation measures relevant to this modification.

Table B.1 Summary of mitigation measures

Updated mitigation measures
Traffic Management
<p>Traffic would continue to be carried out in accordance with its transport management plan that identified a range of traffic management and mitigation measures plus performance and compliance indicators utilised to measure effectiveness and monitor compliance associated with transport safety. The existing TMP would be reviewed, and if required updated, following to the approval of Mod 11 (if granted).</p>
Noise and Vibration
<p>Centennial would continue to manage noise emissions from Clarence Colliery in accordance with the approved NMP. As, all feasible and reasonable mitigation measures would be considered. The NMP outlines the noise mitigation and management measures common to all of Centennial's operations within the western region, where applicable, as well as those specific to Clarence. Relevant measures include:</p> <ul style="list-style-type: none">• modifying the location of trains idling while being loaded or waiting to enter the network to minimise off-site noise impacts at sensitive receivers, where feasible• use of a combination of partial and fully enclosed conveyors and conveyor drives• regular inspection of conveyor idlers and prompt replacement of damaged or highly worn idlers during maintenance• regular maintenance of mobile plant and equipment in accordance with the manufacturer's specifications to ensure optimal operating conditions• installation of frequency modulated reversing alarms or 'quackers' on mobile plant• switching off vehicles and plant when not in use• operating mobile plant in a quiet, efficient manner and regular training of operators• selecting low noise plant for operation on-site• install acoustic enclosures around processing plants and seal all unnecessary openings• regular inspections and maintenance of haul road surfaces• limiting truck speeds on private haul roads.
Greenhouse gas
<p>Mitigation of GHG emissions will continue to be conducted in accordance with Centennial's <i>Air Quality and Greenhouse Gas Management Plan – Western Region</i> (Centennial 2024). Centennial is committed to a number of additional measures, including:</p> <ul style="list-style-type: none">• the installation of energy-efficient technology where feasible• engagement in projects related to the reduction of GHG emissions, innovations and technologies. <p>With respect to scope 3 emissions, Centennial will continue to sell coal to countries that have NDCs under the Paris Agreement (or have followed international standards recognised by the UNFCCC and published their own NDCs document in support of the Paris Agreement).</p>
Water resources
<p>Surface water will continue to be managed in accordance with the existing approved WMS as detailed within the Clarence Colliery WMP and requirements of the EPL.</p> <p>Clarence Colliery will continue to monitor and manage groundwater in accordance with the objectives of the Clarence Colliery WMP.</p>
Air quality
<p>Clarence Colliery would continue to manage air quality in accordance with the Western Region Air Quality and Greenhouse Gas Management Plan (Centennial 2024).</p>

Updated mitigation measures

Heritage

Clarence Colliery would continue to operate in accordance with the Western Region Heritage Management Plan (Centennial 2018).

Aboriginal heritage

Clarence Colliery would continue to manage Aboriginal Heritage in accordance with the Western Region Aboriginal Cultural Heritage Management Plan.

Biodiversity

Biodiversity impacts would continue to be managed in accordance with the Western Region Biodiversity Management Plan.

Visual

Rehabilitation of the site would continue to be carried out in accordance with the approved Rehabilitation Management Plan for the Clarence Colliery.

Rehabilitation and final land use

Rehabilitation of the site would continue to be carried out in accordance with the approved Rehabilitation Management Plan for the Clarence Colliery.