



Mining and Energy Division

Review of Environmental Assessment

Modification to Myuna Coal Project

Submission

Construction, Forestry, Mining & Energy Union

(Mining and Energy Division)

Northern Mining & NSW Energy District

December 2014

On 11 November 2014 Centennial Myuna Pty Limited applied to the Minister, Department of Planning seeking approval to modify PA 10_0080 to increase ROM coal production from 2 Mtpa to 3 Mtpa and increase the work force to 300 full time personnel. This Project is sought under Section 75W of the EP&A Act, 1979.

The Director General made the Environmental Assessment publicly available on the 22 November 2014 and the opportunity for public submissions is available.

The CFMEU is pleased to take the opportunity to comment on the Myuna Colliery's Modification Project and related activities Environmental Assessment.

The Mining and Energy Division is a Division of the CFMEU under the Federal Workplace Relations Act 1996, with over 120,000 members, is one of the largest in Australia. The Division covers several industries including the coal industry, coal ports, metalliferous mining industries, electrical power generation, oil and gas and the Nation's small coking industry.

The Northern Mining & NSW Energy District of the CFMEU Mining and Energy Division, being the branch that on behalf of the organisation is making the submission, is the principal Union representing coal miners in the Northern District coalfields of New South Wales. The Myuna Colliery is located approximately 25 km south west of Newcastle and is wholly within the State's Northern District coalfields.

The CFMEU is familiar with these facilities and has engaged the services of an Environmental Consultant with extensive experience in local government and environmental assessments on coal mining related projects.

After reviewing all of the material and taking advice, the CFMEU supports the proponents application to increase ROM coal production at the Myuna Colliery.

Project Overview

Centennial Myuna Pty Limited (CMPL) is seeking to modify Project Approval 10_0080 pursuant to Section 75W of Part #A of the EP&A Act to allow for:

- An increase in ROM coal extraction to up to 3 million tonnes per annum; and
- An increase in employment to up to 300 full time employees.

The proposed Modification will not increase the currently approved life of mine beyond 12 December 2032.

Myuna Colliery will continue to be a 24 hour a day, seven days per week operation.

The proposed Modification will increase the number of full time employees at the Myuna Colliery from 210 to 300 personnel; an increase of 90 personnel.

Coal will continue to be recovered from the three seams (Wallaharah, Great Northern and Fassifern) within the Modification Application Area.

There will be no change in the method of extraction or subsidence zones.

The proposed Modification will increase the volume of ROM coal produced at the Myuna Colliery from up to 2 Mtpa to up to 3 Mtpa in any calendar year.

There will be no change to coal handling processing or transport methods. The underground conveyor delivery system has a capacity of 2100 tonnes per hour. In order to extract and process the additional coal to the surface, some underground conveyor belts will increase slightly in speed (from 3.2 m/s to 3.8 m/s). These changes are extremely minor and will have no influence on environmental outcomes.

Additionally, in order to process the additional coal, the rotary breaker will operate for a longer period of time than it currently does. The Myuna Extension of Mining Environmental Impact Assessment considered the rotary breaker operating 2/7 and as such the impact of the rotary breaker operating for additional time will be within the limits of what has previously been assessed and approved.

Waste rock from the CHPP will continue to be transported to the Awaba Waste Management Facility for disposal.

No additional infrastructure is required to support the proposed Modification.

There will be no change to water management methods and no increases in EPL discharge limits will be required.

There will be no change to the sites Environment Management Systems as a result of the proposed Modification. Monitoring and reporting will continue to be undertaken in accordance with approved management plans and licence requirements.

Environmental considerations that would require further assessment as a result of the Modification were identified as:

- Traffic;
- Air Quality;
- Noise;
- Ground water; and
- Socio Economic.

Stakeholder Consultation

CMPL advised DP&E in writing on 4 August 2014 of their intention to seek a Modification to PA 10_0080 to allow for the proposed activities detailed.

The DP&E responded to the proponent by email on 8 August 2014 detailing the DP&E's requirements to be addressed in the EA.

The Myuna Colliery Community Consultative Committee (CCC) meets every two to three months. The next CCC is scheduled for December 2014. This Modification will be discussed at this meeting.

Traffic

A Traffic Impact Assessment was prepared by Intersect Traffic to support the proposed modification.

Myuna Colliery is bound by Wangi Road, Summerhill Drive and Donnelly road. Myuna Colliery is accessed by a private road (Wangi Point Road) which intersects with Summerhill Drive. Summerhill Drive connects to Donnelly Drive (via The Promenade) and Wangi Road to the northwest. The Myuna Surface Facilities Area is accessed off Summerhill Drive to the north-west of the township of Wangi Wangi.

The local road network likely to be impacted upon by the proposed Modification is Summerhill Drive, Wangi Road and Donnelly Road. Traffic data collected on the local road network indicates that Summerhill Drive and Donnelly Road have spare midblock capacity to cater for additional traffic generated by the proposed Modification. The peak traffic generation period associated with Myuna Colliery will occur during shift changes between day shift and afternoon shift at 2.30pm.

The increase in traffic on the local road network will not cause the mid-block capacity of the local road network to be reached therefore, subject to satisfactory intersection operation, the proposed Modification will not adversely impact on the local road network.

Sidra modelling of the intersections likely to be impacted by the proposed Modification has determined that they will continue to operate satisfactorily after the proposed staff increases. The LOS for each turning movement is good and there is little, if any, delay to motorists.

The existing Myuna Colliery vehicular entrance intersection (Summerhill Drive / Wangi Point Road) has satisfactory sight distance, therefore does not require an upgrade as a result of the proposed Modification. The proposed Modification will not impact on the safety and efficiency of the public road network.

The proposed Modification will not result in any on-street car parking occurring in the vicinity of the site as a result of any additional parking demand during peak periods. Onsite parking is an internal traffic management issue for CMPL.

The Myuna Colliery Surface Facilities Area is not currently serviced by public transport nor are there any pedestrian and bicycle facilities linking the site to nearby services and facilities. As a result there is very little, if any, dependence by employees on alternate transport modes to access the site. Whilst the proposed Modification will generate additional employees, it is not considered that the demand for alternate transport modes will be enough to warrant the extension of public transport and pedestrian / bicycle infrastructure to the site.

Air Quality

An Air Quality Impact Assessment was prepared by SLR Australia Pty Ltd for the Modification.

The findings of the dispersion modelling assessment indicates that:

- All annual average particulate impacts (dust deposition, PM10, PM 2.5, TSP) are in compliance with advisory reporting standards, NSW EPA and WHO criteria at all receptors assessed;
- All annual average criteria remain in compliance with advisory reporting standards, NSW EPA and WHO criteria when taking into account the Northern Coal Logistics Project;
- Maximum 24-hour PM2.5 concentrations are predicted to be below the advisory reporting standard at all receptors assessed, including an approximation of background;

- Maximum 24-hour PM10 concentrations are predicted to be below the NSW EPA criterion of 50 µg/m³ at all receptors including an approximation of background; and
- Odour concentrations are predicted to be below the NSW EPA criterion of 2 OU at all receptors assessed.

Through the dispersion modelling exercise, it has been shown that the operation of Myuna Colliery under both the 2 Mtpa and 3 Mtpa production rates will not cause any exceedances of the adopted criteria at any receptor assessed. Additionally, changes in the air quality resulting from the proposed production increase are predicted to be minimal with impacts dominated by operations at the emergency coal stockpiles, at which operations are not proposed to change.

Noise

A Noise Impact Assessment was prepared by Heggies Pty Ltd as part of the Myuna Colliery Extension of Mining Part 3A Application.

Despite predicted and actual noise levels meeting the noise goals and noise criteria within the Project Approval, the following noise mitigation and management strategies were identified to be implemented as part of the Noise Impact Assessment completed by consultants. These noise management measures have been implemented and will continue to be implemented for the life of the operation:

- All enclosure doors on the rotary breaker, crusher and crusher conveyor drive house will remain closed during the night-time period, specifically:
 - Roller shutter doors on the north-east and south-west facades of the crusher enclosure; and
 - Wire frame doors on the north-east façade and northern corner of the rotary breaker to be replaced with solid doors and kept closed at night-time.
- The forklift will not conduct activities, such as moving metal objects around the materials yard, during the night-time period.
- Employees will be briefed on the requirement to minimise noise during the night-time period.

The Modification will not result in any changes to surface activities considered as part of the Noise Impact Assessment by Heggies. Operational noise levels are predicted to continue to meet the project specific noise criteria and the Project Approval consent condition at all assessed residential receivers under calm and prevailing weather conditions.

Groundwater

A Water Management Assessment was prepared by GHD in 2010 as part of the Myuna Colliery Extension of mining Part 3A Application.

Based on the results from transient Run 10 (best fit run under transient calibration), total groundwater inflows into the Myuna workings under approved conditions are predicted to peak at approximately 7.5 M³/day in year 2032. For the proposed extraction rate of 3 Mtpa, total groundwater inflow into the Myuna workings is predicted to peak at approximately 7.9 ML/day in 2020. This is a decrease in predicted groundwater inflows from the original modelling undertaken in 2010 as part of the Myuna

Colliery Extension of Mining Part 3A application. Overall groundwater extraction at Myuna Colliery represents up to approximately 15% of total groundwater extraction from the North Coast Fractured and Porous Rock Groundwater Sources within the regional water and salt balance study area.

Water Management

A Water Management Assessment was prepared by GHD in 2010.

As a result of the Myuna Colliery operations, peak discharges are predicted to be approximately 2 050 ML/year or 20% of total discharges to the North Lake Macquarie Source.

Excluding Eraring Power Station, over the period to 2020 over 80% of total salt discharged to the North Lake Macquarie Water Source is from Myuna Colliery.

The impact on the hydrology, geomorphology and water quality of surface waterways and receiving waters as a result of the proposed modification are not expected to change beyond those previously assessed and approved.

Socio Economic

The potential social impacts of the proposed Modification can be both positive and negative in nature. The assessment has found that the Modification will result in the following:

- No requirement to purchase property as a means of managing impact on social amenity;
- No adverse impact on surrounding land use or viability;
- No change to the social fabric of the area;
- No change to how residents and visitors utilise the area;
- No increased demand for local and regional infrastructure and services as an outcome for the Modification; and
- A positive impact on sustained employment due to the Project sustaining a workforce as a result of Newstan Colliery being placed in care and maintenance.

Myuna Colliery will continue to operate as a good neighbour in the community and utilise existing strategies and programs implemented in the local area. The potential social benefits of the proposed Modification will result in ongoing and sustained employment which is found to bring positive social and economic benefit to the community and region.

Justification and Conclusion

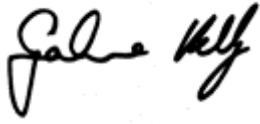
Impacts associated with the proposed Modification have been assessed in the EA with the conclusion that the proposed Modification will have no environmental consequences beyond those already approved pursuant to Project Approval 10_0080. The Myuna Colliery Environmental Management Strategies provides sufficient environmental controls to cater for the proposed Modification.

The proposed Modification is considered to be consistent with relevant objectives of the EP&A Act and will not change the nature of the development originally approved. On considering the balance of

environment and community impacts, it is considered reasonable to conclude that the benefits of the proposed modification outweigh the impacts.

In Summation

The CFMEU considers that this Modification is consistent with currently approved Development Consent objectives of the EP&A Act, and therefore supports the proponent's applications and ask for the Modification to be approved in the form sought.

A handwritten signature in black ink, appearing to read 'Grahame Kelly', is positioned above the printed name.

Grahame Kelly
DISTRICT SECRETARY