



**Spur Hill Underground Coking Coal Project
Community Consultative Committee
Presentation**

27 February 2019

Agenda



1. Spur Hill Underground Coking Coal Project Update
2. Drayton Open Cut Rehabilitation
3. Maxwell Underground Project
4. Maxwell Solar Project
5. Community
6. Complaints register



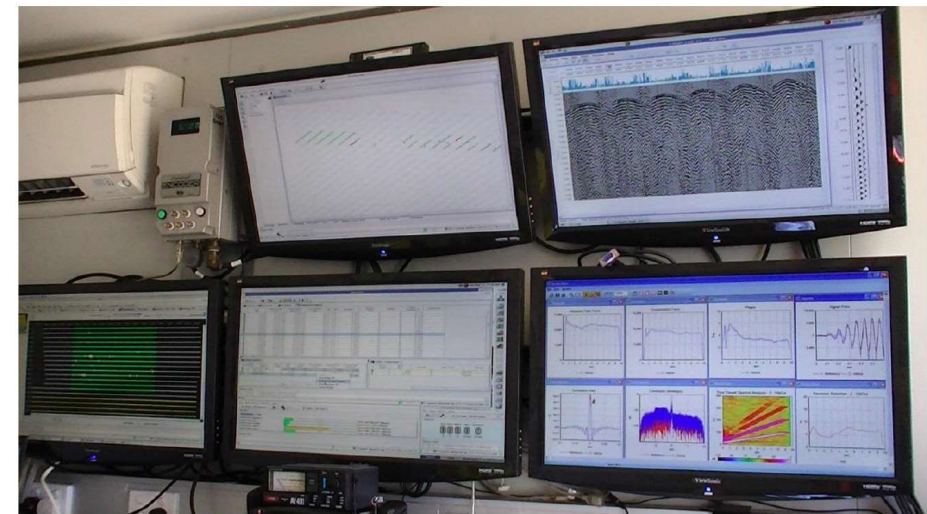
1. Spur Hill Coking Coal Project Update

Spur Hill Coking Coal Project seismic survey



This work is aimed at the identification and definition of sub-surface geological structures (e.g. faults and igneous intrusions).

- The field component of the 2D seismic program was finished in late October 2018.
- The work was completed without incident.
- Data collected is now being processed and interpreted. (A highly specialised task)



2. Drayton open cut rehabilitation

Drayton open cut rehabilitation



- ✓ The rehabilitation of the site is progressing well.
- ✓ By the end of December 2019 we achieved;
 - Over 120 ha shaped
 - Over 90 ha seeded



Drayton open cut rehabilitation



- Recently, we welcomed 50 Angus-Charolais cross steers to site. The steers are from Coolie Angus, a beef cattle business in the hills of Merriwa and are being managed on site by a local landholder.
- Having cattle on our rehabilitated pasture allows us to better control grass species, promote species diversity and reduce the risk of bushfire. We have also found that the rehabilitated pasture provides more feed for stock during the drier conditions than typical rural grazing land.



3. The Maxwell Underground Project

Maxwell Underground Project EIS preparation



- We are planning on producing high quality coals with the at least 75% of coal produced capable of being used in the steel manufacturing industry. The balance would be export thermal coals suitable for the new generation High Efficiency, Low Emission (HELE) power generators.
- Underground layouts drafted and coal production scheduled.
- Layouts for underground access, infrastructure, and coal transport completed.
- Specialist studies underway for preparing the EIS;
 - Aboriginal heritage
 - Agricultural impact
 - Air quality
 - Economic
 - Existing Land contamination
 - Flora and Fauna
 - Geochemistry
 - Geomorphology
 - GHG
 - Groundwater modelling
 - Health risk assessment
 - Historic heritage
 - Landscape and visual
 - Noise
 - Social impact
 - Soil studies
 - Subsidence modelling
 - Surface water
 - Transport

Maxwell Underground Project progress



Milestones

Malabar takes ownership of Maxwell Infrastructure and the Maxwell Project

Malabar begins rehabilitation and commences technical and environmental studies to support the Gateway application

Malabar lodged a Referral under the Commonwealth EPBC Act

Malabar obtains Gateway Certificate from the Mining and Petroleum Gateway Panel

**WE ARE
HERE**

Malabar seeks feedback from the community to inform the assessment requirements for the EIS

Malabar's EIS is prepared

NSW Department of Planning and Environment (DP&E) place Malabar's EIS on public display for around four weeks

Malabar responds to submissions

The DP&E assesses Malabar's submission, including any issues or concerns raised in the submission process

The DP&E or Independent Planning Commission (if applicable) announce its decision

Opportunities for feedback



Community feedback was considered in the development of our Scoping Report in support of a Request for Secretary's Environmental Assessment Requirements ("SEARs").



We will engage with the local community during the preparation of the Environmental Impact statement (EIS) to ensure community feedback is gathered, considered in our future plans, and concerns are addressed.



The studies that support the EIS are being prepared by recognised experts and include assessments of potential impacts on agriculture and agribusiness, water, biodiversity, heritage, air quality, amenity and the road network.



The EIS will be accompanied by a social impact assessment and an economic assessment.



The community has the opportunity to submit feedback directly to the DP&E.



Malabar will engage with the community to address any concerns raised.



In addition, Malabar must formally respond to any issues raised in submissions.



An approved application may include conditions that address any outstanding concerns raised by the community.

4. Maxwell Solar Project

Maxwell Solar Approval Process



- Scoping report submitted 19 December 2018
- NSW DP&E to provide SEARs
- Studies underway for the EIS;
 - Biodiversity
 - Heritage
 - Soil and Land capability
 - Visual
 - Transport
 - Noise



5. Our Community

Muswellbrook Public School Sensory Garden



- In the second half of 2018, we donated and installed a sensory garden at Muswellbrook Public School.
- A sensory garden is a collection of plants and materials with different textures, shapes, colours, scents and heights. The garden is then laid out in a way designed to stimulate the senses.

National Threatened Species Day



- A donation was made to Wildlife Aid to help fund rescues, veterinary care, and the specialised diets and rehabilitation of native wildlife in the Upper Hunter Valley.
- Wildlife Aid is a not-for-profit organisation of dedicated volunteers that donate their time and resources to rescue and rehabilitate native wildlife.

Lauren Browne Eventing



- Malabar Coal has recently sponsored Lauren Browne, a professional Event rider who has competed successfully up to CCI 4 Star level.
- The sponsorship will go towards covering Lauren's entry fees throughout 2019.



Merton Vineyard & Small Forest



- Our Merton vineyard produced a record crop with the grapes being keenly sought after due to their high quality.
- Small Forest continues to be rewarded for their hard work including another medal for their 2014 Shiraz (this time a Gold!)
 - From Sakura in Japan.
 - Nearly 5,000 entries from all over the world.
 - This particular wine has now been awarded; one year young, three years old, and now 5 years old.

6. Complaints Register

Complaints Register



- No complaints registered since previous CCC meeting.
- Total complaints for 2018: 0 complaints.

Abbreviations and Glossary



- 2D – two dimensional
- CCC – Community Consultative Committee.
- DA – Development Application.
- DP&E – NSW Department of Planning and Environment.
- DRE – NSW Division of Resources and Energy (part of NSW Department of Industry).
- EARs – Environmental Assessment Requirements.
- EIS – Environmental Impact Statement.
- EL – Exploration Licence.
- EP&A Act – NSW *Environmental Planning and Assessment Act 1979*.
- EPBC Act – Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*.
- MLA – Mining Lease Application.
- SEAR's – Secretary's (DP&E) Environmental Assessment Requirements
- SHM – Spur Hill Management Pty Ltd.
- TEOM – an air quality monitoring device, Tapered Element Oscillating Microbalance.