

MEETING MINUTES

MEETING:	Dendrobium Community Consultative Committee	
LOCATION:	Dendrobium Mine meeting room, Mount Kembla	
DATE:	16 August 2018	
ATTENDEES:	Independent Chairperson Community Representatives Illawarra Coal Representatives (IC)	Mike Archer (MA) Phil Clunas (PC) Phil Diamond (PD) Vivien Twyford (VT) Phil Grant (PG) Ron Zwicker (RZ) Wollongong City Council Councillor Noel Lowry (NL) (Wollondilly Shire Council) Amber Cleary (Community) (AC) Wayne Bull (Dendrobium Acting Manager Operations) (WB) Pete McMillan (Environment) (PM)
APOLOGIES:		Alex Beccari (AB)

1	PURPOSE
	The purpose of the DCCC is to provide a forum for open discussion between representatives of Dendrobium Mine, the community, the relevant councils and other stakeholders on issues directly relating to the mine's operations, environmental performance and community relations, and to keep the community informed on these matters.
2	AGENDA
	<ul style="list-style-type: none"> • Welcome/Apologies • Acceptance of minutes of last meeting (June 2018) • South32 Update • Illawarra Coal Operational update • Update on Environment; Logistics; and Community • General Business <ul style="list-style-type: none"> ○ Dendrobium Plan for the Future update ○ Social Baseline Study ○ Dendrobium Surface Power Supply ○ DCCC membership ○ Longwall 13 End of Panel Report update ○ Proposed site visit to BlueScope

	<ul style="list-style-type: none"> ○ Meeting dates for 2018
3	WELCOME / APOLOGIES
	<ul style="list-style-type: none"> • Mike Archer welcomed all members present to the August meeting of the Dendrobium Community Consultative Committee.
5	PREVIOUS MINUTES
	<ul style="list-style-type: none"> • Approval of the minutes from the previous DCCC meeting (June 2018) were accepted as a correct record of the meetings. First: RZ; Moved; PD.
5A	BUSINESS ARISING
	<ul style="list-style-type: none"> • NA
6	ILLAWARRA COAL OPERATIONAL UPDATE
	<p><u>South32 Business Update:</u></p> <ul style="list-style-type: none"> • South Africa Energy Coal (SAEC) is operating as a standalone business (since 30 April 2018). • South32 will acquire a 50% interest in, and assume operatorship of, the Eagle Downs metallurgical coal project in Queensland's Bowin Basin. • South32 has now completed acquisition of the remaining 83 per cent of Arizona Mining Inc shares. Arizona Mining is the owner of the Hermosa Project, containing the high-grade zinc, lead, and silver deposit, manganese and silver oxide resource and an extensive, highly prospective land package with potential for discovery of polymetallic and copper mineralisation. <p><u>Illawarra Coal update:</u></p> <ul style="list-style-type: none"> • Graham Kerr visited Illawarra Coal last week. Graham met with a number of employees, toured the logistics chain and legacy infrastructure and held a Townhall at the Port Kembla Coal Terminal. • A continued emphasis remains on improving the business position including a focus on cost, production and absenteeism. <p><u>Dendrobium Mining Approvals Update:</u></p> <ul style="list-style-type: none"> • Longwall 16 Subsidence Management Plan was approved by NSW Department of Planning and Environment on 30 May 2018. • Longwall 16 approval documents can be found on South32's website at www.south32.net • Further application for Longwalls 17 and 18 will be submitted in the future. • Illawarra Coal is currently in the process of reviewing two potential longwall blocks located within the existing Dendrobium Development Consent Area (Area 3C). • The longwalls (20 and 21) are located immediately to the north of Area 3B. • A draft, indicative layout for longwalls 20 and 21 was presented to members present. • Environmental assessments are underway to support a Subsidence Management Plan application to DoPE. • These assessments are in the early stages and further updates will be provided to the Committee as data is collected. The assessments include a Cultural Heritage Study (which includes a requirement to advertise the proposed mining and for Aboriginal groups to register to

participate in the study); flora and fauna, surface groundwater and non-aboriginal heritage studies.

- A subsidence assessment will also be completed to assist in the design setbacks from key features.
- Further updates will continue to be provided to the Committee on mine operations in Area 3C at all future regulatory DCCC meetings.

Longwall Progress Update:

- Longwall 14 is currently underway, with 612 metres extracted to date. The Longwall is expected to be completed in May 2019.
- As previously mentioned Longwall 14 has been shortened to avoid impact to WC15.

General Update – Environment:

- No non-compliance for environmental monitoring.
- Water balance steady with no issues to report.
- PM advised the Dendrobium Independent Environmental Audit report has been finalised and is available on the South32 website at https://www.south32.net/docs/default-source/illawarra-coal/dendrobium/dendrobium-independent-environmental-audit/independent-environmental-audit-2017.pdf?sfvrsn=ba53d0_2
- Findings of the above report saw the mine achieve overall compliance.
- The Annual Review (Previously called AEMR) and Annual Returns are currently being prepared.
- Since last DCCC there has been 5 impacts reported as a result of Longwall 13 and Longwall 14.
- This includes 3 Level 1 impacts (soil cracks); and 2 Level 2 impacts (soil cracking on fire roads and rock fracturing).
- PM presented Swamp 11; Swamp 14; and Swamp 109, 110 and 111 (Area 5) reference piezometer data to members present.
- PD questioned in the event of a bushfire in the catchment (i.e. swamp area), does the company have an action plan to mitigate impact to swamps. PM advised that WaterNSW would have its own process for bushfire management in the catchment. Impact to swamp management is addressed in the swamp rehabilitation research program and subsidence management plans listed on the South32 website.

Community Update

Community Complaints:

- Since the last meeting there has been two complaints received regarding Dendrobium's operations.
- One related to dust from Kemira Valley stockpile during the high north westerly winds experienced in July this year. The environment team has since installed a dust deposition gauge at the property to monitor dust levels for future wind events. The second complaint was due to noise from the trains. An investigation saw the noise was due to two contributing factors including the driver releasing the brakes earlier and having to reapply them in a noise sensitive

area and the second last wagons brakes intermittently staying on. A communication was sent out to all drivers regarding braking in noise sensitive areas and the wagon was sent for repairs.

- A complete account of Dendrobium's complaint for the year is available on South32's website under 'Dendrobium Monthly Complaints Report'.

Community investment initiatives:

- Dendrobium's Community Enhancement Committee (DCEC) received two applications from – Museums and Galleries NSW and Mt Kembla Public School.
- The DCEP recently supported the MKPS Heritage Fair - \$1,000
- Upcoming and recent events supported by Illawarra Coal include:
 - Greenacres Mountain to Mountain Challenge (held 29 July) – approximately \$85,000 raised and 1,100 participants
 - I98FM Illawarra Convoy planning has commenced
 - South West Sydney Academy of Sport – annual presentation dinner held recently
 - West Wollongong ProBus presentation - representatives of the Illawarra Coal presented to the group on the Company and more specifically Dendrobium's operations at their August meeting.
- Illawarra Coal's Social Baseline Assessment (SBA) has commenced. The SBA is conducted every 5 years as per the South32 Community Standard. AC requested the DCCC complete the community survey that remain open until 1 September 2018.

Action: AC to send link to community survey to DCCC members

Action: DCCC members to complete community survey prior to 1 September

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GENERAL BUSINESS

Dendrobium Plan for the Future Update

- AC advised the Committee the EIS is likely to be submitted early 2019. Work on the Environmental Assessments is continuing.
- AC presented information shared from the working group meeting held 2 August including:
 - Providing an overview of the Plan for the Future Project including separating what is already approved under the Development Consent and the proposed new areas in which the company is seeking approval to mine. An overview of the area encompassing the approved mining lease was also explained.
 - Clarifying the detail of what will be included in the EIS such as upgrades to Dendrobium Pit Top (including proposed office extension and car park); Kemira Valley Coal Loading Facility (including proposed upgrades to the rail line and associated infrastructure and proposed rail control room); and Cordeaux Colliery (including upgrades to buildings and additions to buildings, removal of coal bins and upgrades to water management infrastructure)
 - Sharing a draft, indicative mine plan for Areas 5 and 6. The plan included gaps in the longwall areas to protect surface features and applies the same design criteria as Area 3B (including set back from Lake Avon and Lake Cordeaux). Indicative ventilation shaft locations were also included on the plan.

- Explaining the West Cliff Coal Wash Emplacement Project arrangement including Stage 3 of the emplacement forming part of the Project. It was noted that Stage 4 of the emplacement is included under the Bulli Seam Operations Project approval.
- Presenting on some of the ways in which Illawarra Coal's coal wash is being used (outside of the emplacement area) including in housing development projects, to construct access roads and as road base alternatives and for major road bypass projects.
- Further updates will be shared at the Working Group meeting in September.

Dendrobium Surface Power Supply Project

- AC advised Illawarra Coal is working to de-energise the power line which supplies electricity to our Dendrobium Pit Top by June 2019. This power line and infrastructure extends from BlueScope, through Figtree, Cordeaux Heights and Mount Kembla.
- We will be connecting to the Endeavour Energy public supply by installing a Kiosk-style Transformer at the Dendrobium Pit Top. This is the same as kiosk-style transformers found in the public, and it will be located at the site of existing electrical infrastructure next to our visitor car park.
- To do this we will be:
 - removing the existing redundant electrical infrastructure located next to our visitor car park to make way for the kiosk;
 - installing two power poles in conjunction with Endeavour Energy;
 - installing the kiosk; and
 - under boring the conduit and cables from the kiosk to Dendrobium Pit Top
- Once connected, the old power line will be decommissioned, and the supporting infrastructure will become redundant. We are working on a plan to rehabilitate the redundant infrastructure by priority.
- Further updates on the project will be provided at our next meeting.

Mysore Thorn update:

- AC presented to Mysore Thorn seven-year program to the Committee including sharing a map of the five target areas located along the rail corridor and nearby to Stage 1 of the Mt Kembla Mine Memorial Pathway Project. The contracting company engaged to manage the program has commenced work, targeting each of the five areas twice (in May and July this year) and has indicated the results have been highly successful to date.

Longwall 13 End of Panel Report:

- AC advised the Longwall 13 End of Panel report is in the process of being finalised and will be presented to the DCCC at the next regulatory meeting in October.

DCCC site visit to BlueScope Steelworks:

- MA suggested to the Committee that the DCCC consider attending a site tour of BlueScope Steelworks as part of the group's next site visit. The visit would see members gain a deeper understanding of Illawarra Coal's metallurgical coal and its use in the steel making process. Members were supportive of the proposal. There may also be an opportunity for the DCCC to hear from a representative of the Dendrobium Coal Preparation Plant (DCPP) to understand the

	<p>coal preparation and washing process. It was discussed whether it would be feasible to include the IC CCC in the site visit. MA advised he would need to confirm the numbers he can take on the tour.</p> <p>Action: MA to confirm the numbers he can escort on the BlueScope tour</p> <p>Action: AC to write to the committee and suggest some potential dates in October for the site tour. Members present advised preferred their preferred date is between 10 October and 30 October.</p> <p><u>DCCC membership:</u></p> <ul style="list-style-type: none"> • MA formally acknowledged the resignation of Chris Haley from the DCCC. Members present commented Chris' commitment and positive contribution to both the DCCC and DCEC over the years. <p>Action: MA to write to Chris on behalf of the DCCC thanking him for his contribution.</p> <ul style="list-style-type: none"> • AC suggested the DCCC advertise for new members to which the Committee agreed. <p>Action: AC to include advertisement for new members in the next edition of Dendrobium News.</p> <p><u>Meeting dates for 2018:</u></p> <ul style="list-style-type: none"> • Committee agreed to the below meeting dates for 2018: 18 October and 13 December • Meeting dates for the Working Group: 20 September and 22 November
9	<i>QUESTIONS ON NOTICE – TRACKER</i>
	<ul style="list-style-type: none"> • Approximately how much water does Illawarra Coal use/pump from Lake Avon to support its Dendrobium Mine operations? • What was the Independent Panel's (for mining in the Sydney Catchment Area) feedback on the Longwall 16 approval?
10	<i>ACTIONS</i>
	<ul style="list-style-type: none"> • AC to send link to community survey to DCCC members and request it be completed by 1 September • DCCC members to complete community survey prior to 1 September • AC to write to the committee and suggest some potential dates in October for the site tour. Members present advised preferred their preferred date is between 10 October and 30 October. • MA to confirm the numbers he can escort on the BlueScope tour • MA to write to Chris Haley on behalf of the DCCC thanking him for his contribution. • AC to include advertisement for new members in the next edition of Dendrobium News. • AC to include information on Area 3C in future DCCC regulatory meetings.
	<i>MEETING CLOSE / NEXT MEETING</i>
	<p>Meeting close: 7.35pm</p> <p>Next Meeting: 18 October 2018, 6.00pm at the Dendrobium Conference Room, Dendrobium Mine (Next Working Group Meeting, 20 September).</p>