

KANMANTOO-CALLINGTON COMMUNITY CONSULTATIVE COMMITTEE (KCCCC)

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DRAFT NOTES TO THE MEETING

11 December 2014

The meeting commenced at 7.30pm.

Attendance and Apologies

Committee Members Present:

Bill Filmer
Fiona Challen
Garry Duncan
Kathy Schneider Roberts
Harry Seager
Steven McClare (Hillgrove Resources)
Alistair Walsh (DSD)
Bob Goreing (Independent Chair)

Apologies:

Allana Vorstenbosch
Mark Goldsworthy MP

Guests:

Greg Tyczenko:
Manager Resources and
Energy EPA
Simon Lindsay: ISEEK

A public gallery of approximately 35 persons was present.

1. Welcome and introductions

The Chair welcomed the KCCCC and members of the public in the gallery. The Chair noted the attendance of two guests; Greg Tyczenko Manager Resources and Energy with the EPA and Simon Lindsay from IT firm ISEEK.

2. Confirmation of notes of previous meeting (9 October 2014)

The notes of the previous meeting of 9 October 2014 were accepted without alteration.

3. Action arising from the previous KCCCC meeting

The Chair noted that all action items arising from the previous meeting were covered in other items on tonight's agenda.

Issues

4. Project update from Hillgrove Resources

Steve McClare GM Kanmantoo Copper Mine provided the Kanmantoo Copper Mine project update.

Steve described Hillgrove's current exploration program, details of which are available in an ASX release at <http://www.asx.com.au/asxpdf/20141211/pdf/42vdms89yvrftm.pdf>. Summary details included:

- first drilling commenced this week
- a three stage exploration strategy had been developed with a budget of approximately \$1M for 2015
- the three stages including:
 - Kanmantoo mining lease and near-mine ore zone extensions
 - existing regional near-surface prospects on exploration tenements
 - defining new potential prospects based on modern geophysical techniques
- initial exploration drilling is underway at Wheal Ellen an historic copper, zinc and lead prospect within the exploration lease
- a number of ground gravity surveys of potential ore extensions have commenced on the Kanmantoo mining tenement, nearby mine prospects and the Kitticoola Prospect
- a trial of deep Reverse Circulation (RC) drilling into and below existing ore zones at Kanmantoo will be undertaken in January 2015
- a significant regional-scale helicopter-borne electromagnetic (EM) survey covering the Kanmantoo mining lease, near-mine and regional targets is planned for March 2015
- follow up of anomalous zinc, lead and silver results along strike from the current mining ore zones is being undertaken
- community consultation for the Wheal Ellen drilling was undertaken and further consultation is now underway or due to commence soon for other planned off-mining lease exploration.

Some discussion took place around the potential disturbance to community members from the EM survey. Steve said that the equipment would be suspended from a helicopter (see photograph in the ASX release) and from his knowledge there had been no substantiated incidents involving the community where this approach / technology had been used. It was noted that the equipment was not allowed to be suspended over houses or people. Steve said that the community would be advised immediately prior to the program commencing in March 2015.

Following up from the report to the community at the last KCCCC meeting of a potential slip in the Nugent pit wall, Steve advised that mining operations were suspended immediately in the pit, RADAR was installed and movement was monitored and modelled. Modelling indicated a part of the wall would breakaway and this occurred within a few hours of the model's predictions. Hillgrove has commenced backfilling this section to stabilise the pit.

Steve reported that the new dust monitoring equipment required under the revised PEPR had been installed and commissioned on 15 November 2014. Steve explained that the monitors are calibrated when they are commissioned with calibrations checked by an independent, external technical service every month to confirm the accuracy of the equipment.

Steve said that the new monitors measured PM 10 (small dust less than 10 microns in diameter) as well as the total dust load. Measurements were taken every 5 minutes and results were available immediately to inform the mine's Dust Trigger and Response Plan. The comment was made that the mine had been operating since 2011 and yet the new monitors had only just been installed. Steve explained that the new monitoring equipment replaced a previous set of monitoring equipment that was more than was required by the old PEPR. He said that the new equipment was agreed with DSD at the time of the revised PEPR and was particularly important to drive the mine's real time response to fluctuating dust risk.

The new monitors were located closer to the residential population surrounding the mine and this was noted as a suggestion that came out of community consultations during the recent mine life extension application.

A community member questioned the usefulness of data from the monitors if they were measuring dust already in the air with the 'damage already done'.

Steve showed a graph of dust monitoring results from the new equipment and identified peaks where actions had been triggered from the dust response plan. He showed days on which mining operations had been shut down. It was noted that the general pattern of results showed

dust levels about half those required under the mine's compliance obligations and Steve explained that the operations were aiming for leading practice and were conscious of the community's expectations.

A KCCCC member asked if this data was available on the Hillgrove website. Steve said that it was not currently available but this could be investigated. It was also suggested that information on wind speed and direction could be overlaid on the graphs. A community member made the point that different years had seasonal variation (for example – this year had a predicable drier and dustier lead up to summer) and that some climate context may also be useful.

Action: Steve to investigate how real time dust data from the new monitors could be made publically available via the website

Action: Steve to investigate adding wind speed and direction to real time dust data set

Alistair from DSD confirmed that an important component of the dust monitoring requirement for the mine was the ability for Hillgrove to respond quickly to rising dust risk factors, adjust operations (including shutting down various parts of the mining operation) and confirm the effectiveness of this 'trigger and response' program with accurate real time data. Alistair said that the Kanmantoo Copper Mine was the most tightly regulated in the state for air quality.

The Dust Working Party asked to visit the site to see the monitoring equipment. Steve agreed to host a visit in January 2015. This would also provide an opportunity to experience conditions in the 'dust season' and update the KCCCC Information Sheet on Sources and Management of Dust.

Action: The Chair to arrange a Dust Working Party site visit for January 2015

The issue of other sources of dust beyond the mine was discussed and Steve pointed out that the positioning of the mine's three monitoring stations was along the two key prevailing wind routes. This allowed for a calculation to be made about the background dust entering the mine site and the load added by the mine.

A community member asked about the potential for copper in the mine dust to be ingested / inhaled and elevate copper levels in the bloodstream of local residents. The Chair pointed to an earlier report from Dr David Simon (tabled at the 14 August 2014 KCCCC meeting) where health issues were addressed. Dr Simon had agreed at the 9 October 2014 KCCCC meeting (where he came to talk to the report and answer questions) to continue to be involved with the Kanmantoo Callington community and receive updated data from the new monitoring equipment. The Chair said he would raise the community member's question with Dr Simon.

Action: The Chair to write to Dr Simon to ask him to reiterate any potential health risks from ingestion / inhalation of mine dust linked to copper levels in the blood

Action: The Chair to invite Dr Simon to join the Dust Working Party at the January 2015 site visit to observe the new monitoring equipment and collect new data

Alistair said that DSD is currently completing an independent air quality review and a number of recommendations are likely to come out of this that will become considerations for future PEPRs across the sector. These included a greater emphasis on baseline data to provide a valid reference point for dust (and other emissions).

There was a discussion about the results of the rainwater tank testing program where any interested local resident can elect to participate. Steve said that the results of individual testing were relayed back to the relevant resident with a report from the independent laboratory. One local community member asked about the implications for action from these results even where there was no concern about mine dust but more general concerns about other broader risks like E Coli.

Action: Catherine to speak with local resident to provide a personal explanation to fully understand the results of a rainwater test and possible actions that could be taken

5. Dust Working Party

Garry presented a short summary of activity of the Dust Working Party since the last KCCCC meeting. This activity had included:

- further discussing with Hillgrove over the potential use of irrigation technology to add to the dust suppression effort at the mine
- organising a senior EPA representative to attend tonight's meeting
- tracking the commissioning of the new dust monitoring equipment installed at the mine. The proposed site visit for January was noted
- Garry visiting the mine at short notice when there appeared to be a dust incident to see personally the link between community experience, visible dust emissions and monitoring results
- receiving questions from the community regarding dust and passing these on to Steve McClare for a response that could be included in a future Question and Answer section on the newly designed KCCCC webpage (see agenda item 10)

6. Role of the EPA in relation to the mine

Greg Tyczenko introduced himself as having filled a new position in the EPA as Manager Resources and Energy. Greg had been in the role for only two and a half weeks.

Greg said that he had noted some of the community concerns particularly about dust and expressed a strong desire to work together with the company, community and the mining regulator (DSD) to address these issues.

Greg explained that the EPA had a role as the regulator for the mine as a licenced facility and said that the EPA and DSD were working together to ensure that the common objectives (like dust) were consistently managed. Greg also saw a role for the EPA in broader community environmental matters and recognised that dust for example was an issue that went beyond the mine.

Greg agreed that the EPA should stay involved with the KCCCC and said that he would consult within the EPA to work out the best way to do this.

Action: The Chair to liaise with Greg at the EPA to determine the best way for the EPA to establish an ongoing relationship with the KCCCC

7. Master Plan for the Kanmantoo Callington area

Fiona presented a report on the progress of the Master Plan Working Party following their second meeting on 4 December 2014. Fiona identified actions from this meeting including:

1. developing an Eco - Geo Park concept plan for consideration by the wider community at a public information meeting in early 2015 which will also consider how all community members could be involved in the Master Planning process
2. clarifying the likely future of the Paringa Mine / Smelter site and its potential for inclusion in the Eco Park concept
3. confirming the potential to use waste rock from the mine for the purpose of filling swales
4. contacting DCMB requesting KCCCC involvement in the development of the Council's Biodiversity Strategy in early 2015
5. following up on the opportunity to hold a SA Mining History Group annual conference event in Kanmantoo Callington in August 2015
6. approaching the DSD Resource Centre for help in accessing copies of useful literature like *Silver and a Trace of Gold*

7. writing to ESCOSA to register the KCCCC's interest as a likely stakeholder to the Alano Utilities proposal to develop a water treatment facility adjacent the southern boundary of the Hillgrove mining lease

The Chair mentioned the enthusiastic participation of Greg Drew (retired senior resource manager with DSD) in considering the potential for an Eco Park encompassing the circa 20,000 acre 'special survey' area of Kanmantoo that was developed for mining purposes in the 1840's. The meeting discussed the following six themes for the potential Eco Park:

1. Mining history and heritage
2. Aboriginal history and heritage
3. Environmental values
4. Community landscape art
5. Healthy lifestyle
6. Education and research

The meeting reiterated the need to involve the whole community in the Master Planning process and agreed that a community information session would be a useful starting point in the new-year.

Action: Fiona and the Chair to arrange a community information session early in 2015 to discuss the Master Planning process and seek wider community input into potential projects like the proposed Eco Park.

Action: The Chair to complete the drafting of the Eco Park Concept Plan for presentation at the public information session

8. Community Action List

The Chair said that it was planned to have the continually updated Community Action Plan available on the new KCCCC webpage early in 2015.

Administrative items

9. Stakeholder representation on the KCCCC

This item was carried over to the next meeting.

10. KCCCC webpage design

Simon Lindsay from ISEEK demonstrated the first draft of the new KCCCC website / webpage. Features included a simple and accessible design that allowed all community members to easily access the current and past work of the KCCCC and contribute to it.

Simon explained that the webpage was based on a well-known open source platform.

A community member asked about hosting arrangements and Simon said that the website / webpage would be separately hosted locally.

Simon discussed possible administration arrangements for the website / webpage like models for authority to post items and manage content. A number of matters were identified for further investigation like:

- Who would own /have responsibility for the website?
- Who would post information and manage content?
- Who would pay for the on-going maintenance of the website / webpage?

The KCCCC agreed that the new website / webpage was a very positive initiative.

Action: The Chair to work with Simon Lindsay at ISEEK to continue the development of the website / webpage and discuss any handover issues with Steve related to matters like how the Hillgrove and the KCCCC website / webpage could be linked together.

11. Season's greetings

The Chair thanked the KCCCC along with the wider community, who had participated in strong numbers through the gallery, for their effort during the past year. He offered everyone best wishes for the season and the new-year.

12. Other business

There was no other business

13. Next meeting and close

Meeting closed at 9.30pm.

Next meeting TBA.

DRAFT