

STRATHALBYN COMMUNITY CONSULTATIVE COMMITTEE

MINUTES OF MEETING

Thursday 18th November 2021 at 7.00 pm

Angas Zinc Mine, 2115 Callington Road, Strathalbyn SA 5255

1. WELCOME AND OPENING REMARKS (Acknowledgement of Country)

Kelvin opened the meeting at 6:30pm, welcomed all attendees and thanked Martin and Andre for cooking the BBQ. He also welcomed Dr Pushan Shah to the meeting and thanked him for his attendance.

2. PRESENT AND APOLOGIES

PRESENT:

Committee Members:

Kelvin Trimper AM (Chair)	Rex Keily AM	Rhonda McCarthy	Malcolm Twartz
Martin Janes (Terramin)	Andrew Batten	Lynette Stevenson	Karen Rogerson
Julia Currie	Anne Woolford		

Secretary:

Keren Stagg

Gallery and Presenters:

Mike O'Reilly (Terramin)	Ken McBride (Terramin)	Mark Stewart (DEM)	Peter Bond (EPA)
Tom Mehrrens (Terramin)	Andre Van Driel (Terramin)	Dr Pushan Shah (EPA)	

APOLOGIES: Note-number in brackets represents the number of meetings missed in succession.

Adrian Pederick (5) (Member for Hammond)	Keith Parkes, Mayor (Alexandrina Council)	Glenn Rappensberg, CEO (Alexandrina Council)
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ABSENT: None

3. DECLARATION OF ANY CONFLICT OF INTEREST

No new conflicts of interest were declared.

4. CONFIRMATION OF PREVIOUS MINUTES – 19th AUGUST 2021

A motion was raised that the minutes of the SCCC meeting dated 19th August 2021 be accepted.

Moved – Rhonda McCarthy Seconded – Rex Keily

All were in favour. The motion was carried.

5. MATTERS ARISING (includes progress on outstanding action items detailed below)

5.1. ACTION ITEMS FROM LAST MEETING

Item 9.1.1 (Aug 20)	Mark	The trial monitoring equipment is currently being prioritised for use at active mining sites. Since the AZM site is in caretaker mode, this action item is to be removed. To be revisited if/when production resumes.	<i>Complete</i>
Item 9.1 (Nov 20)	Tom/Peter	Both Peter Bond and Dr Pushan Shah, Principal Scientific Officer (Air Quality), EPA conducted a site visit at AZM and analysed some historic monitoring data. Dr Shah accepted an invitation to present the results at the November SCCC meeting. A summary of his presentation appears at Item 10 below.	<i>Complete</i>
Item 8 (Feb 21)	All SCCC	All committee members have indicated that they are interested in continuing to serve on the SCCC. Kelvin will revisit this with each committee member once a final decision is made regarding BiH.	<i>Complete</i>
Item 8.2.1 (May 21)	Kelvin	Kelvin sent a letter to Adrian on behalf of the SCCC requesting that he follow up the status of the BiH project with the relevant Government Departments. Adrian raised this with the Minister however there has not yet been any formal reply. Action: Adrian to follow formal reply up with the Minister and advise Kelvin of the outcome.	<i>Ongoing</i>
Item 11 (Aug 21)	Keren	Keren invited Alexandrina Council Mayor, Keith Parkes and CEO Glenn Rappensberg to the November SCCC meeting, however both were unable to attend due to other commitments and sent an apology.	<i>Complete</i>

6. KEY STAFF AND ORGANISATIONAL CHANGES

Terramin No key staff changes to report. Ken McBride recently achieved 10 years' service with Terramin. Martin congratulated Ken for his contribution and achieving this milestone. Kelvin also congratulated Ken on behalf of the SCCC.

DEM Nothing to report. Some recruiting is still taking place.

EPA The restructure has now been finalised. The Mining and Radiation Branch are staying the same. Staff are currently being recruited for 3 positions.

7. CHAIRPERSON'S QUARTERLY ACTIVITY REPORT

Nothing further to report.

Kelvin congratulated all SCCC members for their continued interest in the SCCC and for serving on behalf of the wider community.

Kelvin also thanked Keren and Tom for their efforts in keeping the SCCC informed.

8. REVIEW OF CHAIRPERSON'S TENURE

As per the requirements of the SCCC Terms of Reference, the position of Chairperson is vacated every two years. Prior to the meeting, Kelvin advised Terramin that he was happy to continue for another two-year term. No further nominations were received.

Kelvin declared the position of SCCC Chairperson vacant then handed the meeting to Rex prior to leaving the room. The SCCC discussed Kelvin's continued role as Chairperson. The committee unanimously acknowledged Kelvin's devotion to the SCCC and considered his depth of knowledge, communication skills and understanding to be an asset.

A motion was passed to appoint Kelvin as SCCC Chair for another two-year term.

Moved: Malcolm Twartz Seconded: Julia Currie

All were in favour.

Kelvin accepted the nomination and is looking forward to continuing as SCCC Chairperson.

The SCCC thanked Kelvin for his continued service.

9. UPDATE FROM ALEXANDRINA COUNCIL

Rex provided an update on current Alexandrina Council projects occurring within the area that included the following:

- A Sub-committee has now been formed to discuss how the land is to be utilised at the proposed Sports Hub site at Lot 10 Langhorne Creek Road, Strathalbyn.
- A new Council Ward Structure is to be put in place, reducing the total number of Wards from 5 to 3. It is proposed to have 3 Councillors in each Ward (North, South and West Alexandrina). The proposed amendments have gone to Parliament for ratification.
- Property continues to sell quickly in Strathalbyn and the population is increasing as new Developments are being built.

10. EPA REPORT ON AIR QUALITY

Kelvin formally introduced Dr Pushan Shah, Principal Scientific Officer (Air Quality), EPA to the committee and welcomed him to the meeting. Dr Shah thanked the committee for inviting him and Terramin for their hospitality.

Dr Shah delivered a presentation on Air Quality which commenced with an overview of air monitoring methods in South Australia and the criteria on which results are measured. He then looked more specifically at the information obtained from his AZM site visit and analysis of the historic monitoring data provided by Terramin.

Dr Shah's presentation included the following points:

- Air quality is monitored throughout South Australia with permanent monitoring stations at Adelaide, Pt Pirie and Whyalla. Data is taken from these stations, analysed then compiled in a report which is released on the EPA website.
- Samples are measured against the National Environment Protection Measure (NEPM) for Ambient Air Quality. Pollutant, set averaging periods and maximum concentration of particles are used to determine air quality. Hourly and yearly averaging criteria differ so that peaks and troughs can be smoothed out. Particles are measured against PM10 (<10 microns) & PM2.5 (<2.5 microns) depending on the pollutant being measured. Particles <10 microns cannot be seen by the naked eye but can be inhaled and cause serious health problems. Overall air quality is generally good in Australia and we are meeting international standards.

- Lead and dust particles are most relevant to South Australia. The lead standard has not been revised for many years due to the phasing out of leaded petrol, therefore samples are also measured against international standards. Current maximum lead concentration for Australia is 0.5 microns/m³, whereas US is 0.15 microns/m³. The lead standard measures exposure for the full year. Each sample is analysed then averaged and compared to the maximum concentration allowed.
- Dr Shah analysed the historic data provided by Terramin. The results of this analysis included the following:
 - When AZM wind direction data was broken down by season and analysed it appeared that the stronger winds mainly came from a Southerly direction however there were also some North-Westerly and South-Easterly winds recorded. By season, Summer winds were mainly Southerly, Winter mainly North-Westerly and Autumn/Spring were mixed directions.
 - TSP data was measured against the PEPR criteria. There were several peaks due to weather events such as drought and bush fires, but generally the results were quite good. Offsite DDG data showed some trends for DDG2, DDG10 & DDG12 based on the monthly samples taken. Onsite DDG data showed trends for DDG6 & DDG7. Soil disturbances and commercial activities around the off-site gauges affect results. It was recommended that AZM continue to measure and manage dust and perhaps review the locations of the DDG and the activities occurring around them to try to ascertain why the exceedances occur.
 - The results of the lead data analysis were well below the NEPM Standard of 0.5microns/m³ and the US Standard of 0.15microns/m³. Data was based on a 24-hour average taken every third day. Under the PEPR reporting is triggered at 0.25microns/m³ and a breach is recorded when the 0.5micron/m³ is exceeded.
 - Lead testing took place prior to the AZM being built and was found to be present in the soil.

Q – Is there a correlation between dust collection and wind direction?

A – It is difficult to say as dust is measured over a monthly period. Daily measurement of both wind direction and dust would provide a better result.

Kelvin thanked Pushan for his presentation and invited him to stay for the remainder of the meeting.

11. DEM REPORT

Mark thanked Pushan for his presentation and for putting things into perspective.

11.1. SITE INSPECTION

A site inspection was performed prior to today's meeting and no significant concerns were found. TSF water levels were checked and there was no material change. Water levels will be monitored over the weekend due to forecast rain. There were a few weeds around the site that require continued attention. Vegetation is still being provided to the Monarto Zoo but this is not having an adverse effect on the SEB area. There was no increase in erosion. A dust suppression chemical is being trialled at the site.

Groundwater monitoring and bore access were discussed. Monitoring arrangements will need to be reviewed before BiH processing occurs. Air quality was also discussed. It was recommended that a review and possible upgrade of current infrastructure also occur prior to BiH processing commencing.

11.2. BIRD IN HAND UPDATE

The Government is continuing to review the proposal and response documents. There is a high priority in the Department to focus on working towards a decision.

11.3. QUESTIONS

None recorded.

12. TERRAMIN REPORT ON STATUS OF CURRENT OPERATIONS

12.1. AZM

12.1.1. Report against conditions of approval

The TSF is currently approx. 13,000 m² which is below the maximum criteria of 15,000 m².

Groundwater results for regional bores and TSF bores were within criteria.

During Q3 there were 6 exceedances of Total Insoluble Matter criteria from 36 samples collected and analysed vs criteria of 4g/m²/month. Four of these exceedances occurred during July 2021 (DDG2 - 5.6g/m², DDG3 - 4.5g/m², DDG12 - 7g/m² & DDG5 - 5g/m²), two in August 2021 (DDG2 - 7g/m², DDG5 - 7g/m²), and one in September (DDG2 - 4.5g/m²).

There were 3 lead exceedances during the quarter vs criteria of 150mg/kg. One in August (DDG10 – 180.3mg/kg), and two in September (DDG7 – 662.7mg/kg & DDG12 - 345.2mg/kg).

Wind direction was mainly North, North-West and West. After reviewing the location of the dust gauges that triggered exceedances and the wind direction at the time, it was deemed unlikely that the source of the lead was from within the AZM site.

Maintenance at AZM continues and a Landscape Functional Analysis has been done.

12.1.2. Current Regulatory Issues

None reported.

12.1.3. MPL Progress

Nothing further to report after Mark's update.

12.1.4. Questions

Q - Can the graphs that appear in the QER can be standardised so that the base-line reporting criteria is a consistent colour through-out the report.

A – Many of the templates are provided by Terramin branding, and this is why the colours are what they are. However Tom will change the colours to make them more accessible for viewing.

- Action: Tom to review QER graphs and change base-line criteria to one standard colour if possible.
- Action: Mark to find out if DEM can review the templates and guidance and make more consistent.

12.2. Bird in Hand

12.2.1. Update on progress

DEM have accepted the MLA and response documents. As part of the acceptance, both the

questions and the responses now appear on the DEM website. It is hoped that the decision will be finalised by the end of 2021. DEM are collating information on each criteria/guideline and will then do a final assessment and report which will be made public on their website as per the new Mining Act provisions.

The main activity at BiH is site maintenance and re-establishing some fences that were destroyed during the 2019 fires.

12.2.2. Questions

Q – Are DEM zoning in on specific areas of concern?

A – They are looking for clarification on 2 groundwater modelling scenarios.

12.3. Other Projects

12.3.1. Talha Hamza

Some progress is being made with commercial discussions that are taking place. The Algerian Government may be making amendments to some Finance Laws which may encourage foreign investment. The relationship and goodwill remain strong, however it is difficult to achieve decisions via Zoom.

12.3.2. Kitticoola

Nothing to report.

12.3.3. Kapunda

DEM and EPA approval to commence test work was received during October 2021. Leach chemical is being pumped into the groundwater. Results of the testing will be used to construct the Business Plan and to raise capital. The community is supportive of the project but no formal community group has been started as yet.

12.3.4. Wildhorse

Dept. Defence sign-off has now been obtained as drilling will occur from a neighbour's land. An agreement is now in place with that landowner. It is currently difficult to secure a drilling rig due to demand, lack of staff and people not being able to move around Australia freely due to Covid19 restrictions. A rig has been secured for January 2022 but the WA based Geologist may not be able to travel across into SA due to Border & Quarantine Restrictions.

12.3.5. Menninnie Dam

A new JV partner is currently being sought.

12.3.6. Questions

None recorded.

13. OTHER BUSINESS

None recorded.

14. NEXT MEETING

To be held 7pm Thursday, 17th February 2022 at AZM.

The SCCC will be notified if the final decision is received on BiH prior to the February SCCC

meeting.

15. MEETING CLOSE

Kelvin thanked Terramin for their hospitality and wished everyone a happy and safe Christmas.

The meeting closed at 8:20pm.

Actions List:

Item 8.2.1 (May 21)	Kelvin/Adrian	Kelvin sent a letter to Adrian on behalf of the SCCC requesting that he follow up the status of the BiH project with the relevant Government Departments. Adrian raised this with the Minister however there has not yet been any formal reply. Action: Adrian to follow formal reply up with the Minister and advise Kelvin of the outcome.	<i>Ongoing</i>
Item 12.1.4 (Nov 21)	Tom/Mark	Investigate the possibility of standardising the colours used on the QER graph templates for base-line criteria. Action: Tom to review QER graphs and change base-line criteria to one standard colour if possible. Action: Mark to find out if DEM can review the templates and guidance and make more consistent.	<i>New</i>