# STRATHALBYN COMMUNITY CONSULTATIVE COMMITTEE

#### **MINUTES OF MEETING**

Thursday 20<sup>th</sup> August at 7.00 pm Angas Zinc Mine, 2115 Callington Road, Strathalbyn SA 5255

#### 1. WELCOME AND OPENING REMARKS (Acknowledgement of Country)

The meeting was opened at 7:00pm.

Kelvin welcomed the Committee and visiting representatives from KCCCC to the meeting. Prior to commencing the meeting Kelvin asked all who were present to answer several Covid19 self-declaration questions. All responses were negative so the meeting could proceed.

#### 2. PRESENT AND APOLOGIES

#### **PRESENT:**

#### **Committee Members:**

Kelvin Trimper AM	Rex Keily AM	Anne Woolford	Malcolm Twartz
(Chair)			
Lynette Stevenson	Rhonda McCarthy	Adrian Pederick	Martin Janes (Terramin)

#### Secretary:

Keren Stagg

#### **Gallery and Presenters:**

Tom Mehrtens	Mike O'Reilly	Ken McBride	Mark Stewart
(Terramin)	(Terramin)	(Terramin)	(DEM)
Carol Bailey	Louise Duncan	Fiona Challen	Katherine Roberts (KCCCC)
(KCCCC)	(KCCCC)	(KCCCC)	

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

Peter Bond	Julia Currie	Andrew Batten
Karen Rogerson (2)		

**ABSENT:** None

#### 3. DECLARATION OF ANY CONFLICT OF INTEREST

No new conflicts of interest were declared.

#### 4. CONFIRMATION OF PREVIOUS MINUTES – 21 MAY 2020

A motion was raised that the minutes of the SCCC meeting dated 21<sup>st</sup> May 2020 be taken as accepted without alteration.

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 no	Responsible	Task	Due Date
9.1 (Aug 19)	Hydrostor	To provide further updates to the SCCC on an	Ongoing
		ongoing basis.	
10.5 (Nov 19)	All SCCC	Contact Anne if you have any ideas re-establishing	On hold
		and funding an environmental fund for Fleurieu	
		Community Foundation.	
1. (May 20)	Kelvin, Tom &	Find a suitable venue for the August SCCC meeting	31 July 2020
	Keren		
8.1 (May 20)	Tom	Forward Hydrostor email to Keren	4 June 2020
8.1 (May 20)	Keren	Distribute Hydrostor email with May minutes	4 June 2020
9.1.1 (May 20)	Richard	Request that Air Quality Dept. perform further	31 July 2020
		data analysis on the high lead readings	
9.1.1 (May 20)	Tom	Follow up the cause of the high lead readings with	31 July 2020
		the EPA	
12. (May 20)	Ken	Forward pictures of kangaroos on tailings dam to	4 June 2020
		Keren	
12. (May 20)	Keren	Distribute pictures of kangaroos with May minutes	4 June 2020

Re: Item 9.1 (Aug 19) Hydrostor – Cameron Lewis from Hydrostor forwarded an email to Tom updating the status of the project which will be discussed in item 8 below.

Re: Item 10.5 (Nov 19) – Anne advised that the operations of the Fleurieu Community Foundation have temporarily been suspended; therefore this action item is currently on hold. Anne will advise when operations recommence.

Re: Item 9.1.1 (May 20) – Findings from investigation and analysis of high lead readings will be detailed in item 9.1.1 below.

All other items are now complete.

#### 6. KEY STAFF AND ORGANISATIONAL CHANGES

Martin advised that Richard Taylor resigned as Chief Executive Officer back in June to take up other opportunities. Martin has assumed the position of Executive Officer and is now the highest ranking Executive. Kelvin congratulated Martin on his appointment.

There were no further changes to report.

#### 7. CHAIRMAN'S QUARTERLY ACTIVITY REPORT

Kelvin thanked both the Committee for agreeing to attend a face to face meeting this time around and also thanked Tom for arranging for the meeting to be held at AZM.

During the August quarter Kelvin has been keeping up to date with ongoing changes to Regulations as a result of the Mining Act Review and thanked Mark for his earlier presentation on this subject. Kelvin wrote to Piers inviting him to the August SCCC meeting, but unfortunately he was unable to attend due to other commitments.

Kelvin advised that he has recently been appointed to the Green Adelaide Board and has also been appointed to the position of Chair of the Penrice CCG group who are having their first meeting in February 2021. There are no expected conflicts of interest to arise as a result of these appointments.

Kelvin advised that Greg Allen has left Hydrostor and that they are currently re-thinking operations within Australia due to funding constraints.

Hydrostor were originally allocated \$9m in combined Grant funding through Australian Commonwealth Government and South Australian Government renewable energy initiatives.

#### 8. HYDROSTOR UPDATE

#### 8.1. Hydrostor update provided by Cameron Lewis and presented by Tom.

Tom read out an email update from Cameron Lewis regarding the current status of the Hydrostor project.

Major points within the email were as follows:

- The Hydrostor project is largely on hold until further capital can be raised. This is required to be able to award the contract for construction works.
- Estimated deadline of end of 2020 for securing further funding for the Hydrostor project,.
- Contractual agreement between Hydrostor and Terramin is still in place.
  - Action: Tom to send Keren a copy of the email received from Hydrostor
  - Action: Keren to circulate Hydrostor email with the August minutes

#### 8.2. Questions

- Q If Hydrostor void the agreement and pull out of the project now that some works have commenced, what is the effect on the Terramin AZM site?
- A The only substantial activity that has taken place so far is that bores have been drilled and some pipework installed. Both bores and pipework could be of use to Terramin at AZM in the future.

#### 9. TERRAMIN REPORT ON THE STATUS OF CURRENT OPERATIONS

#### 9.1. AZM, including study for mining post Hydrostor dewatering

Tom provided a general update on the AZM site which included the following points of interest:

- Safework SA performed a site visit.
- Feral trees (around the TSF) and weed control has been done. No new weeds noted.
- Global Aquatica plant has been removed from the AZM site and a site clean-up has been performed.
- There was no Hydrostor activity for the quarter for the reasons outlined in item 8.1 above.

- All 3 AZM employees are local to the Strathalbyn area and Terramin are sourcing 100% local contractors wherever possible.
- Talks are being held regarding holding the SA Mine Emergency Response Competition at AZM in March/April 2021.
- Terramin has granted permission for the Monarto Safari Park to prune SEB planting areas to provide feed for animals. Pruning to be performed by qualified Horticulturalists so no damage will be caused to any of the trees.

#### 9.1.1. Report against conditions of approval

#### **QER**

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

During the June quarter, DDG12 recorded exceedances in all 3 months (9.1g/m2/month, 25.8g/m2/month & 9.8g/m2/month vs criteria of 4g/m2/month) however there was only 1 exceedance of the Total Insoluble Matter criteria. Investigation has deemed external factors as the probable cause of this exceedance.

Offsite DDG 10 & 11 exceeded the EPA lead limit in one of the 3 June quarter monitoring periods, however July results show no exceedances. The exceedance was reported to the EPA within the stipulated time frame. (Re: p.21, Q2 QER)

Terramin have investigated high lead exceedances between 2016 & 2020. Analysis has determined that there may be lead in the soil which was naturally present before mining commenced that could be causing abnormal readings. Some of this surface expression of the ore body occurs outside of the mining lease. (Re: p.16 & 17, SCCC update). Dominant wind data was also considered. The overall conclusion was that it was likely that the high readings were a result of activities from outside the AZM site.

After presenting the findings of the investigation the following options were put to the Committee:

- Undertake attended monitoring in areas where high lead readings have occurred;
- Continue to monitor through QER results;
- Arrange for the Regulator to monitor through the use of trial equipment.

The Committee decided to continue to monitor through the QER, however have requested an annual graph that shows the trend.

Kelvin thanked Mark, Peter and Tom for their efforts in analysing the high lead levels.

Mark will investigate the availability/suitability of DEM's new air quality monitoring equipment to AZM during the summer period.

- Action: Tom to send Keren a copy of the SCCC update
- Action: Keren to distribute the SCCC update with the August minutes
- Action: Tom to provide an annual graph showing the trend of lead readings
- Action: Lynette to contact Ken for a walk of the site to view dust gauges
- Action: Mark to liaise with Terramin re potential to bring the trial monitoring equipment to AZM

#### TSF Annual Compliance Report

All required site works identified on the TSF Annual Compliance Report have now been done with the exception of the lowering of the paling level at Discharge 6. This remains outstanding due to issues with safely accessing this site.

#### 9.1.2. Current Regulatory issues

None reported.

#### 9.1.3. MPL progress – Presentation from Terramin

Refer item 9.2.1 below.

#### 9.1.4. Questions

None recorded.

#### 9.2. Bird in Hand

#### 9.2.1. Update on progress

The BiH mining application was submitted back in June after a 12 week consultation period. Terramin are currently working on a series of questions that came out of community consultation and Department review of information provided. The main activities now are running some additional uncertainty analysis on the groundwater model.

#### 9.2.2. Questions

None recorded.

#### 9.3. Tala Hamza

#### 9.3.1. Update on progress

The Mining Application was submitted a few weeks ago and there is a chance that approval may be received by the end of 2020.

#### 9.3.2. Questions

None recorded.

#### 9.4. Kitticola

#### 9.4.1. Update on progress

Landowner agreements have now been executed.

#### 9.4.2. Questions

None recorded.

#### 9.5. Wildhorse

#### 9.5.1. Update on progress

Nothing further to report at this stage.

#### 9.5.2. Questions

None recorded.

#### 9.6. Kapunda

#### 9.6.1. Update on progress

New extraction methods are being investigated and some test work is being performed. The CSIRO is providing some support in this area. Strong environmental controls will be required.

#### 9.6.2. Questions

None recorded.

#### 10. DEPARTMENT FOR ENERGY AND MINING (DEM) REPORT

#### 10.1. Site inspections and compliance updates

Not much to add to Terramin's update.

Conducted a site visit with Ken to follow up Annual TSF Review. All OK.

#### 10.2. Mining Act Review

Mark delivered an update on the Mining Act Review which included the following points:

- The State Amendment Bill was passed in October 2019.
- The Mining Act Review predominantly deals with new mines. The Regulations include additional information that needs to be included in new Mining Applications.
- One of the aims of the Mining Act Review is to provide greater transparency in the application process.
- Community Consultation commenced 3.8.20 and will run until 11.9.20.
- There are a number of videos on the DEM website which detail the key changes to the Mining Act and Mining Application process.
- The process has been split in to 3 packages which are detailed on the DEM website:

#### Package 1 – Land Access and Public Participation

Mining Companies and The Minister need to show evidence as to how they have consulted with the public and processed feedback;

#### Package 2 – Compliance and Enforcement

New powers for Authorised Officers and process for obtaining warrants;

New civil penalties;

Consultation on the Mining Rehabilitation Fund;

Expansion of reportable incidents to include those that may cause undue harm to the environment;

Provision for Emergency Procedures to be put in place without the need to notify the Tenement holder if undue harm is being caused to the Environment.

#### Package 3 – Operating Approvals

Includes a requirement for a Mining Operations Plan (MOP);

MOP to include environmental factors and potential infrastructure sharing arrangements.

A number of small meetings will be available within the next couple of weeks if there are specific areas of concern that need to be raised. Mark is happy to facilitate with the Technical SME.

- Action: Mark to send Keren his presentation and relevant website links.
- Action: Keren to distribute to Committee with August minutes.
- Action: Committee to contact Mark with any questions on the Mining Act Review

#### 10.3. Questions

- Q Is there a time frame for the scoping period?
- A Must fall within the timeframe of underlying tenure (mineral claim, exploration licence or retention lease).

[addition to this response post-meeting - In practice the timeframe is likely to depend on a range of factors including the complexity of the project and local environment, and the need for conceptual staged designs]

- Q Will the revised legislation be in 'lay-man' language?
- A No, however Mark can send explanatory documents around to the SCCC & KCCCC.

Chairs of the CCC's have met with DEM regarding technical jargon and terminology and the Department is working on providing information that will assist the layman in understanding this.

#### 11. EPA

Peter Bond was an apology for the August meeting so no update was provided.

#### 12. OTHER BUSINESS

Fiona Challen gave an overview of the KCCCC and their current plan which is looking at Community outcomes after the mines have finished. Plantings to directly impact communities.

#### **13. NEXT MEETING**

To be held Thursday, 19<sup>th</sup> November 2020 at AZM for BBQ and site inspection (subject to any Covid19 restrictions). Meet at 5pm for sign in and wear covered shoes and long sleeves.

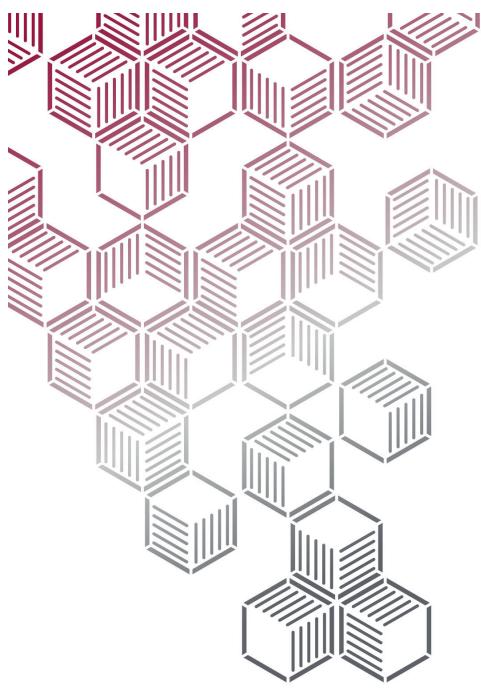
#### 14. MEETING CLOSE

The meeting closed at 8:56pm.

#### **Actions List:**

9.1 (Aug 19)	Hydrostor	To provide further updates to the SCCC on an ongoing basis.	Ongoing
10.5 (Nov 19)	All SCCC	Contact Anne if you have any ideas re-establishing and funding an environmental fund for Fleurieu Community Foundation.	
8.1, 9.1.1 (Aug 20)	Tom	Forward Hydrostor email, SCCC update and Annual Graph of lead readings to Keren	3 Sept 2020
8.1, 9.1.1 (Aug 20)	Keren	Distribute correspondence received from Tom with August minutes	3 Sept 2020
9.1.1 (Aug 20)	Lynette	Contact Ken to arrange a site visit to view dust gauges	30 Sept 2020

9.1.1	Mark	Liaise with Terramin regarding a suitable time to	30 Sept 2020
(Aug 20)		bring trial monitoring equipment to AZM	
10.2	Mark	Send a copy of presentation and relevant website	3 Sept 2020
(Aug 20)		links to Keren	
10.2	Keren	Distribute DEM presentation and website links to	3 Sept 2020
(Aug 20)		Committee with August minutes	
10.2	All	Contact Mark directly if you have any questions or	30 Sept 2020
(Aug 20)	SCCC/KCCCC	concerns regarding the Mining Act Review	



# **SCCC UPDATE**

Angas Zinc Mine



# **Q2** Site activities summary



- > Safework SA site compliance visit
- > Global Aquatica water treatment plant removed from site
- > Feral tree and weed control programs
- > Care and maintenance of plant and equipment
- > Maintaining environmental and safety compliance
- > No Hydrostor activity











### **Eastern SEB flora and weed control**





3

### **Western SEB flora and weed control**





### Site melaleuca tea trees







# Feral tree eradication program on TSF





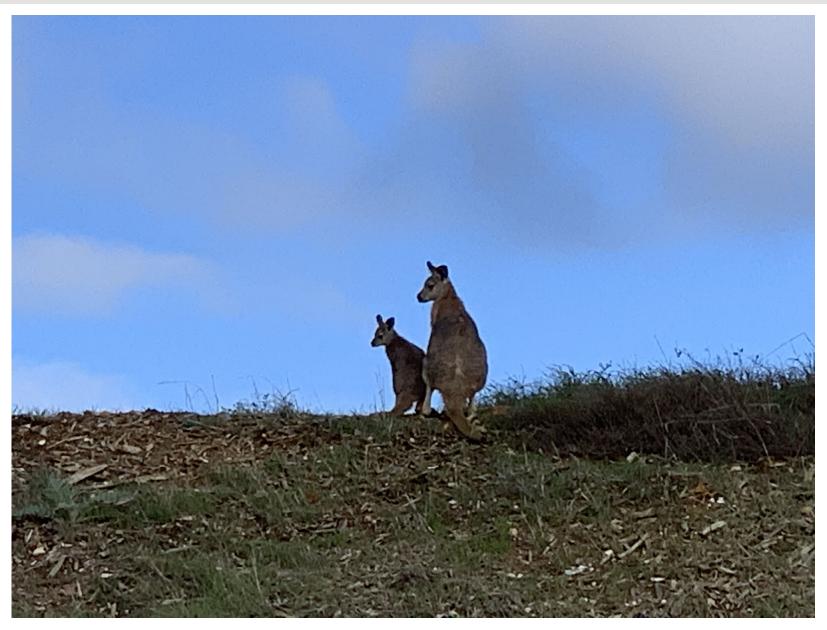






# Site fauna (joey born on site)

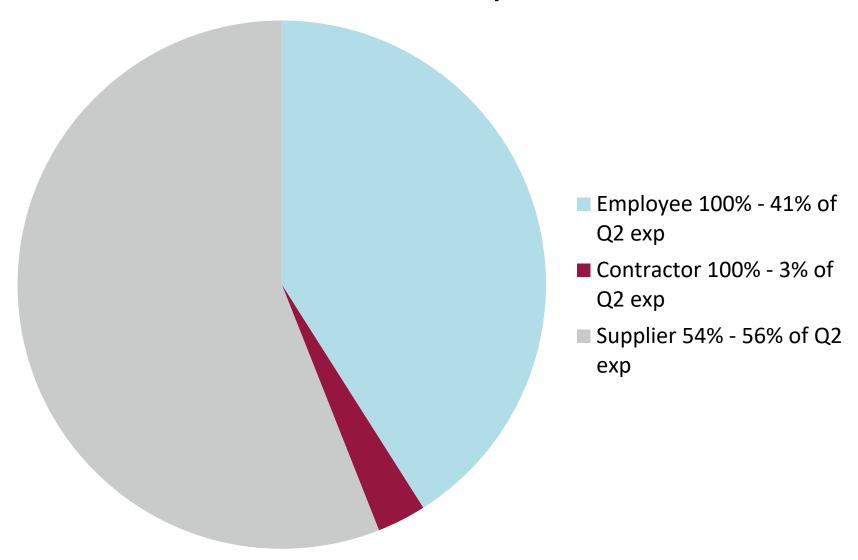








### **AZM % C&M Local Expenditure**



### **Hosting SAMERC in March 2021**



Angas Zinc Mine hosting the South Australian Mine Emergency Response Competition in late March 2021



### **Monarto Safari Park**



#### Angas Zinc Mine providing light pruning's from our healthy trees as a food source for Park animals

- > Zoo staff trained in Arboriculture and Horticulture insures no damage to the health and growth of the trees they source from
- > Zoo's SA have been collecting pruning's from the Alexandrina area for many years with the permission from Alexandrina council





### **Dust Deposition Gauges**



#### Total Insoluble Matter

 April, May and June DDG 12 – exceeded 4g/m2/month

#### Lead

- June DDG 10 and DDG 11 both exceeded the EPA limit of 150mg/kg.
- July period had no Lead exceedances



### **SA Government Request for Response - BIH and APF**



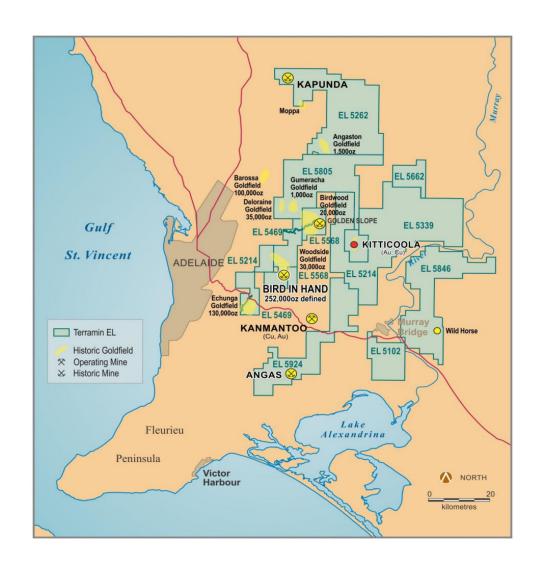


Updated 1 May 2020

### **Terramin Exploration Pipeline**



- Kitticoola
  - Renewed tenement
- Kapunda
- Wild Horse
  - Rehab of 2019 drilling complete



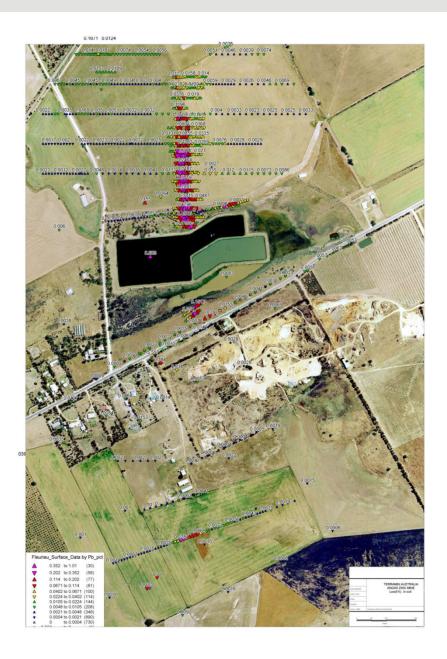
### Lead in levels in DDG



- Over the years of data there have been lead results in DDG's in exceedance of EPA limits of 150mg/kg for offsite gauges and 750mg/kg for onsite gauges.
- These have been reported to the Community, DEM and the EPA.



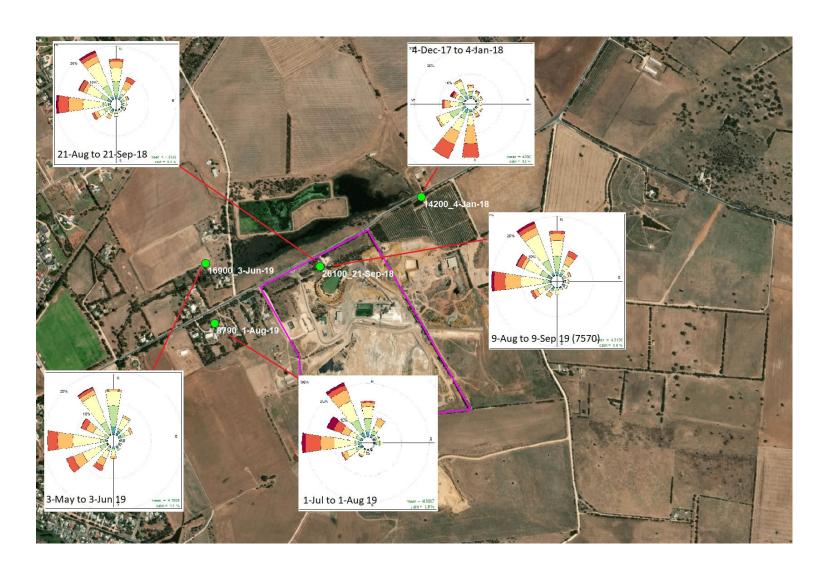




### DDG Lead Top 5 between 2016 to 2020



Microgram/m2/month\_date







# DDG Lead Top 5 between 2016 to 2020

DDG	Date Range	ug/m2/mon th	Dominant Wind direction	HVAS data 5 mg/m3/24 hours	Comments
4	21 Aug – 21 Sep 2018	26100	NW	Below detection	
4	9 Aug – 9 Sep 2019	7570	NW	0.019 0.014	Drilling adjacent to DDG
12	3 May – 3 June 2019	16900	W	Below detection	
11	1 Jul – 1 Aug 2019	8790	NW	Below detection	
2	4 Dec – 4 Jan 2018	14200	S	Below detection	DDG 5 and 7 both below EPA limit

### **Lead in DDG**



- DDG's provide data collected over a 1 month period.
- There are multiple sources of lead in the environment, offsite and onsite.
- AZM is regularly inspected and sources of Lead are consistently observed to be sufficiently encrusted to prevent aeroentrainment under normal operations.
- In most instances where Lead has been observed in exceedance of the EPA limit, an onsite activity has been attributed as the likley cause.
- Where to next?
  - Actions
  - Timeframe