

## KANMANTOO-CALLINGTON COMMUNITY CONSULTATIVE COMMITTEE (KCCCC)

### KCCCC Secretariat

c/- Hillgrove Resources

phone: 8538 6800

email: [tamara.brown@hillgroveresources.com.au](mailto:tamara.brown@hillgroveresources.com.au)

### Chairperson

Karlene Maywald

Phone: 0412 445 865

Email: [karlene.maywald@gmail.com](mailto:karlene.maywald@gmail.com)

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### Draft Notes to the Meeting

26 September 2019

Callington Memorial Hall

#### 1. Welcome and introductions

##### *In attendance*

Karlene Maywald (Chairperson)

Gary Duncan

Fiona Challan

Ed Thomas

Carol Bailey

Mark Stewart

Lachlan Wallace

Cathy Schneider

Ross Oke

Welcome and introduction

##### *Apologies*

Harry Seager

##### *Guests*

EPA - Peter Bond, Andrew Ostrowski, Hanson - Sarah Bellman, DEM - Piers Gillespie, AGL - Catherine Mooney, Sonia Oke, & Dean Smith, EPA - Greg Tyczenko

##### *Gallery*

Approximately 6 people attended the meeting besides invited guests

#### Confirmation of notes of previous KCCCC meeting of 15 August 2019

The draft notes to the last committee meeting were accepted.

KM - Welcome – big night & launch of Master Plan

#### 2. Actions completed from last minutes:

- i. Industrial Park consultation process
  - ii. NVMP subcommittee formation
  - iii. Update Community Action Plan
  - iv. Provide info on Bald Hills SEB offset
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- i. Council endorse statement of intent
    - o Development Plan amendment (DPA) submitted next week
    - o Council present DPA 4 – 6 weeks for endorsement – then consult community

- Rezone plan DPA on display at council & website 8 weeks – written submission from public – council determine if meeting required (advertise in local paper) & Internet.
- Application is presented at meeting re: Council consider DPA – if accepted est that the Minister for Planning could approve (mid 2020)

**ACTION**

LW - to provide weblink to proposal

- ii. K4C subcommittee (K4C, Goolwa LAP/Landcare). HGO to determine plan for DEW & meet criteria
  - NVMP submitted in 6 months of PEPR approval.
  - Placeholder in NVMP in PEPR
  - Studies already underway

**ACTION**

CD - 6 months to Plan with HGO and sub committee

- iii. HGO - Update community Action Plan distribute with minutes of this meeting

**ACTION**

LW - Send link to website (extra column required in table ask Karlene)

- iv. Adam Schutz to provide CB with information of Plan for Bald Hill Red Gum offsets

**ACTION**

CB - CB takes up with Adam directly

**3. Master Plan**

Document complete – Sent to Key Stakeholders for feedback due by 11 Oct.

Official launch at the Callington Show (27 Oct)

FC - The steps for development of the plan

- Plan was based on the red paper
- Reflects community feedback
- Core group on committee since 2007
- Focus on “Mining and Beyond a best practice example”
- Goes further by creating own values beyond Economics and Rehabilitation.
- A vision based on 4 pillars (Environment, heritage, Art/Culture, economic development)
- All have to work together to be integrated into regional planning.
- Premier’s award – winning entry
- Things achieved – already more to come if possible – 5 major goals to benefit the community and blueprint for future mining companies.
- ASPIRATION – Positive legacy of mining
- Plan is at the implementation stage now includes tools to determine alignment with future projects & an assessment tool to measure compliance with the 4 pillars (score out of 100)

KM – Congratulations to everyone on the effort

LW – Congratulations committee of K4C

**ACTION**

CD - get picture of “K for See” returned to HGO from Garry Duncan

#### **4. KCM Update**

##### **Current Operations**

Environmental emissions – Compliance

- 1 x Exceedance all 3 monitors – Regional dust – TARP followed; regulator informed
- No other exceedances

Mine Closure and completion

- Pit complete
- Process stockpiles until early to mid 2020
- Rehabilitation – next areas March - May 2020

##### **Community Action Plan**

- Next minutes

##### **Growth Projects**

- Underground mine development
- Pumped Hydro
- Exploration

##### **Underground Development Schedule**

- Drilling complete – waiting for results
- Geo modelling, design refinements
- Permitting (MCN & PEPR)
- Funding
- Minimum mining period AGL
- Hillgrove Resources Board approval
- Contractor engagement & mobilisation
- Hope do get this done this year pending approval
- Community raised concerns 15<sup>th</sup> August meeting not enough time to consider
- Hillgrove not prepared to risk relationship so organised extra meetings (4 meetings to date)
- DEM, EPA, DEW conducted the review and assessment being finalised.
- To comply with schedule Hillgrove applied for MCN to commence underground exploration drive
- Delivers a better understanding of geology, costs, impacts etc.... No changes to outcomes, conditions or criteria required.

## 5. AGL PHES

*Presented by Catherine Mooney and Dean Smith*

- Congratulations to K4C on Master Plan
- Progress – EPDC surveys, contaminated site assessment, geo-tech investigation, deep borehole, options for upper storage
- Submitted application for Crown sponsorship
  1. Work streams + DA – submitted application for crown sponsorship
  2. CA – Early discussion with OEM's (own/engineer)
  3. Contracting – finalise strategy
  4. Appoint – Craig Donaldson as site manager
  5. Hillgrove – proving up underground opportunity
  6. AGL work with Hillgrove - mining length 2 years or more
  7. Mining Underground – dependant on underground effect on PHES

### **Arena Funding**

- Seek funding – Arena's advanced renewables program
  1. Submit full application
  2. Present project to Arena expert panel (July 2019) competing for funding from 4 other projects, \$40M
    - i. Cultana – Port Augusta
    - ii. Goat Hill – Lincoln Gap
    - iii. Baroota Res – Port Pirie
    - iv. Kanmantoo /AGL – Kanmantoo
  3. Assessment by panel submission 8 Oct
  4. Arena wants FID 30 June 2020

### **Options for Reservoir**

- 4 options for upper reservoir
- Community preference for OTD location
  1. Big Option – 8 gig on OTB + extra
  2. OTD – dig out
  3. OTD – on top of OTD
  4. Offsite entirely 4 gigs

**Timeline** – *see slide – operations of PHES 2024*

- What do the 4 options cost or what could be proposed in regards to vegetation disturbance – ensure consulted
- Flyover 3D of all offers shown

**Question** – If lined dam out of OTD would wall be higher?

**Answer** – Yes

### **AGL Community Commitments**

- **Contribution to Callington community centre**
- **Participate Callington Show next to Hillgrove**
- **Support community centre application for solar panels**

**Question** – Will dam wall be concrete?

**Answer** – Not necessarily – most likely rock face

**Question** - Will you have photos of 4 options?

**Answer** – Yes audio visual

**Question** – What is difference in water height when operating?

**Answer** – About 20 meters difference in pit down from 22 to 2 in top dam.  
LW – not much visual amenity as dam is hidden from view in valley

**Question** –Fencing required?

**Answer** – Yes – must make public safe.

**Question** –Will wildlife get trapped?

**Answer** – Yes we have issues at other sites with fish but are looking at this. Inlets & Outlets can be screened.

#### **Other Business**

- Hanson  
Sealing of Proctor Road – out to tender - 50/50 Hanson & council. Minor disruption to operation & community
- Mining proposal atm – consultation day 12<sup>th</sup> Oct 12 to 3pm.
- Comment -Would be “Awesome” to have the lookout constructed at the mine/pit
- Good alignment of AGL with Master Plan
- KM – thank you for AGL contribution to the community

#### **Next meeting and close**

**Proposed date** 5<sup>th</sup> December 2019

Meeting closed 8.50pm

# KANMANTOO-CALLINGTON COMMUNITY CONSULTATIVE COMMITTEE (KCCCC)

**Secretariat:**

Kanmantoo-Callington CCC Secretariat  
c/o Tamara Brown Hillgrove Resources  
ph. 0458548017

e mail: [tamara.brown@hillgroveresources.com.au](mailto:tamara.brown@hillgroveresources.com.au)

**Chairperson:**

Karlene Maywald 0412 445 865  
[karlene.maywald@gmail.com.au](mailto:karlene.maywald@gmail.com.au)

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## COMMUNITY ACTION LIST

The Community Action List (CAL) is a summary of priority issues and opportunities that have been raised by the community in relation to the development of an underground mine beneath the existing open cut pit and changes to operations being proposed as of 15/8/19. This plan also considers actions relating to PHES development and mine closure. This CAL is a record of agreed measures of success and actions that have been taken in response to consultation.

The CAL is updated as needed.

DATE: August 2019

**Topic 1: Environmental emissions: including dust, noise, vibration, traffic and light**

Issues	Community expectations	Company expectations	Actions
<p><b>Dust and lifestyle</b></p>	<p>The community expects:</p> <ul style="list-style-type: none"> <li>that dust levels from the mine site should be such that they do not unduly disturb the lifestyle of the surrounding community</li> <li>to see a major reduction in the drift of dust ('dust halo') previously observed at the site</li> </ul>	<ul style="list-style-type: none"> <li>The majority of the works are underground which means that dust will be far less.</li> <li>The rehandle of ore out of the pit will be around 1m tonnes per annum (i.e. only 5-10% of previous open pit activity). As per existing Trigger Action Response Plan (TARP), we will continue to stop if weather events do not enable us to control dust, however as the rehabilitation continues, large areas get closed out with vegetation around the site the ability for dust lift reduces.</li> </ul>	<ul style="list-style-type: none"> <li>KCCCC formed a Dust Working Party in March 2014. Working Party reports have been presented at each KCCCC meeting as a Standing Item</li> <li>Site visits and first hand observations and discussion around dust sources, dust management and dust monitoring have been facilitated.</li> <li>A community information sheet on <i>Sources and Management of Dust</i> has been produced</li> <li>Improvements to dust monitoring and response planning have been delivered by the mine through the reviewed mining plan (PEPR July 2014).</li> <li>Three sets of continuous dust monitoring equipment have been installed at the mine in late 2014. These are capable of monitoring PM10 and all dust and are located in a triangular pattern around the mining lease focused on where there is a close proximity to residents</li> <li>The reviewed mine plan (PEPR July 2014) contains a revised dust management program including enhanced dust monitoring and an expanded dust trigger and response plan (TARP). The trigger and response plan places constraints on mine operations as dust risk increases including the shutting down of mining operations in extreme conditions.</li> <li>A further update to the TARP was made in January 2016 which allows for a much-enhanced response by the mine at the first trigger point.</li> <li>Opportunities for improved dust suppression using technology transfer from agriculture have been examined.</li> <li>The EPA has been invited to attend KCCCC meetings to assist the community better understand its role. EPA has agreed to send a representative to attend KCCCC meetings and has made various presentations</li> <li>The mine has negotiated with SA Water for the supply of untreated water to add to the existing waste water reuse supply (sourced from Mt Barker Council) and recycled water on site for use. These stocks are used mainly for dust suppression. The State Government has supported the mine in the construction of a pipeline for this purpose.</li> <li>Rehabilitation programs aimed at stabilising landforms have been accelerated in 2015 with the aim of reducing the exposed ground which could generate dust</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>Continuation of use of the TARP system and report back to community via meetings in regard to performance</li> <li>Continue to manage dust generation from the access road utilising the sites water carts</li> </ul>

Issues	Community expectations	Company expectations	Actions
<b>Dust and health</b>	<p>The community expects that:</p> <ul style="list-style-type: none"> <li>• there should be no community health risks from dust emissions from the mine site</li> <li>• the quality of rainwater for community members living nearby the mine site is not jeopardised nor any risks to food production or organisms in the food chain</li> </ul>	<ul style="list-style-type: none"> <li>• That U/G development will not result in impacts to health as</li> <li>• The majority of the works are underground which means that dust will be far less.</li> <li>• The rehandle of ore out of the pit will be around 1m tonnes per annum (i.e. only 5-10% of previous open pit activity). As per existing Trigger Action Response Plan (TARP), we will continue to stop if weather events do not enable us to control dust, however as the rehabilitation continues, large areas get closed out with vegetation around the site the ability for dust lift reduces.</li> </ul>	<ul style="list-style-type: none"> <li>• Information about potential health risks (related to dust) has been received from an independent health professional using dust monitoring data and information provided by Hillgrove including work conducted by independent expert consultants engaged by the company. Dr Simon from SA Health agreed to perform this task as the independent health expert.</li> <li>• A hosted site visit was arranged to introduce Dr Simon and provide an opportunity for first hand observations</li> <li>• A preliminary report on Dust and Health was received by the KCCCC from Dr Simon</li> <li>• Dr Simon was hosted at a KCCCC meeting to discuss dust and health matters with the community</li> <li>• A site visit for Dr Simon and others was conducted to look at new dust and weather monitoring arrangements at the mine</li> <li>• Hillgrove has extended its independent rain water tank monitoring program to include any local residents of Kanmantoo or Callington (within 5 km of the mine site) who wish to be involved</li> <li>• Dr Simon agreed to continue to be engaged with the community and has been in regular contact on follow up matter such as sources of community health information.</li> <li>• The Commonwealth's Public Health Network regional manager continued to attend the KCCCC meetings</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>• The Commonwealth's Public Health Network regional manager will continue to attend the KCCCC meetings</li> <li>• Continuation of use of the TARP system and report back to community via meetings in regard to performance</li> <li>• Continue to offer independent rainwater tank testing via community meetings via the "Australian Water Quality Laboratory"</li> <li>• Continue to manage dust generation from the mine site utilising the sites water carts</li> </ul>



Issues	Community expectations	Company expectations	Actions
<b>Noise</b>	<p>The community expects:</p> <ul style="list-style-type: none"> <li>that noise levels from the mine site should be such that they do not unduly disturb the lifestyle of the surrounding community</li> <li>that the company will recognise and respond to noise risk as it relates to the nature of operations (type of activity such as blasting, crushing and traffic) plus conditions like wind, day or night and changes to background noise that lift or lower aggregate noise levels.</li> <li>to see an active, real time response to reduce the noise from the site on 'peak noise days' where weather or other conditions mean less tolerance for noise.</li> </ul>	<ul style="list-style-type: none"> <li>The majority of the works are underground which means that noise will be far less.</li> <li>The rehandle on surface will predominantly be a day shift job and limited to only 5-10% of previous open pit activity.</li> <li>The mill will only operate around one third of the time (i.e. for a 1 to 2 week period every month)</li> <li>Noise from blasting will be less due to the relatively small size of the blasts.</li> </ul>	<ul style="list-style-type: none"> <li>Reversing alarms (white noise) designed to reduce noise 'carry' have been installed on all vehicles</li> <li>A review of the use of tracked vehicles particularly at night on the building of the Tailings Storage Facility (TSF) was conducted. A trial of the use of rubber tyred loaders for this purpose was done with a view to reducing noise.</li> <li>Noise risk is considered in the design of Hillgrove's daily work plans. Work plans consider the potential risks on particular days from weather conditions, the nature of mine activities and scheduling. These areas are discussed with workers at daily tool box meetings (muster) at the change of shifts.</li> <li>Particular investigations into 'night noise' were conducted and reported at the June 2015 KCCCC meeting and are ongoing</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>More flexibility to reduce night shift activities due to reduced operating hours and volumes of material for handling.</li> <li>Blasting will continue to be monitored at existing monitors (inc Kanmantoo) and performance reported to regulators and the community</li> </ul>

Issues	Community expectations	Company expectations	Actions
<b>Vibration</b>	<p>The community expects:</p> <ul style="list-style-type: none"> <li>to be kept informed about potential vibration events like blasting</li> <li>that impacts of vibration from predictable causes like blasting are minimised</li> <li>any vibration caused by blasting and other activities at the mine is managed to a level at which there is no damage to property.</li> </ul>	<ul style="list-style-type: none"> <li>There will be a requirement however to blast the development rounds 24/7 once we are far enough underground that these blasts are not noticeable from anywhere offsite. These blasts are very small (equivalent to 1% of the size of the open pit blasts), and they are contained underground. I will try to bring some videos of these for context. This is the way that Terramin operated for years without issue.</li> <li>Larger stope blasts will be done on day shift only. Even these will be a fraction of the size of what was done in the open pit but they will be noticeable.</li> </ul>	<ul style="list-style-type: none"> <li>Blasting impact monitors have been installed on the mining lease and in the community with data collected for each blast.</li> <li>The mine has worked with a local resident using monitoring equipment to provide accurate data on blasting impacts at this location. This information has been used to inform the blasting process with a view to minimising potential vibration.</li> <li>Modifications to blasting techniques were implemented for the lower benches of the main pit (Kavanagh) in response to a greater risk of conducting vibration towards Kanmantoo residents through natural rock structures in this area.</li> <li>Hillgrove provided a presentation on blasting initiatives for the KCCCC at June 2014 meeting. A further presentation was made at the 10<sup>th</sup> December 2015 KCCCC meeting.</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>Blasts will continue to be designed to the “human comfort levels” as a conservative internal criterion that gives better performance than the mandatory AS</li> <li>Blasting will continue to be monitored at existing monitors (inc Kanmantoo) and performance reported to regulators and the community</li> </ul>

Issues	Community expectations	Company expectations	Actions
<b>Traffic</b>	<p>The community expects that any increase in local traffic due to the mine will:</p> <ul style="list-style-type: none"> <li>not result in additional safety risk</li> <li>not cause undue inconvenience for other road users</li> </ul>	<ul style="list-style-type: none"> <li>The existing private haulage road is maintained and we encourage other heavy industry (Neutrog) to continue to use it.</li> <li>The number of people employed will not reach the amount we had in the open pit (likely to be around 140 employees total which is in between where we are now at 70 employees to where we were with the open pit which was 260 employees). As such traffic movement is far less.</li> </ul>	<ul style="list-style-type: none"> <li>The mine has a Traffic Management Plan</li> <li>The mine has invested in a dedicated private access road (by-pass road) that reduces the need for trucks or other vehicles to use local access roads to the mine site</li> <li>Mine workers and visitors are instructed to use the by-pass road</li> <li>Hillgrove has offered access to the by-pass road to other major enterprises in the area so as to reduce the traffic flow on local unmade roads particularly</li> <li>The mine has supported a culture of strictly adhering to speed limits and being proactive and aware of dust risk from road vehicles in particular through education and information programs for workers, contractors and suppliers</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>Continue to manage dust generation from the access road utilising the sites water carts</li> <li>Continue to encourage Neutrog to utilise the access road instead of Kanmantoo township route</li> </ul>

Issues	Community expectations	Company expectations	Actions
<b>Light</b>	<p>The community expects that:</p> <ul style="list-style-type: none"> <li>night time mine lighting and traffic movements will not result in light spill that negatively impacts on the amenity of nearby residents</li> </ul>	<ul style="list-style-type: none"> <li>All of the work is done underground with the exception of the potential requirement to construct a lift on the TSF.</li> <li>The TSF lift may not be required for underground mining however has been included to enable the TSF to be lifted in the event that AGL decide to relocate the Old Tailings Dam into our TSF as part of the Upper Pond location for their Pumped Hydro project. That would be subject to their own Development Application and is not included in our PEPR.</li> </ul>	<ul style="list-style-type: none"> <li>Strategically positioned berms have been designed to manage any potential mobile traffic light spray</li> <li>Lighting on the mine site includes light shields and sharp directional light with the aim of reducing the risk of light spill.</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>Fewer and smaller construction lifts are necessary only if the PHES or exploration potential are realised, with this in mind we will continue to manage light spill during these construction campaigns when and if they occur.</li> </ul>
		<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>

## Topic 2: Natural environment

Issues	Community expectations	Company Expectations	Actions
<p><b>Unique natural communities</b></p> <p><b>At risk or endangered flora and fauna</b></p>	<p>The community expects that the company will:</p> <ul style="list-style-type: none"> <li>proactively work to identify and conserve natural communities where possible. In particular, give consideration to high quality communities of at-risk and endangered species like the area of <i>Euc odorata</i> to the north of the main pit and the <i>Lomandra effusa</i> to the south of the mine.</li> <li>avoid the area of <i>Euc odorata</i> to the north of the main pit. The community believes that there was an agreement struck between the company and the community that the area of <i>Euc odorata</i> to the north of the pit would be avoided in mining plans. The community expects that this agreement will be honoured.</li> <li>Ongoing protection in perpetuity of the EPBC listed veg on the ML</li> </ul>	<p>Change to the Native Vegetation Plan</p> <ul style="list-style-type: none"> <li>Hillgrove have cleared around 29ha of native vegetation in the establishment of the mine. The footprint of disturbance is much larger, however the other areas were weedy pasture similar to that found all over the region.</li> <li>Hillgrove are required to replace around 8 times the native vegetation that was cleared by either establishing vegetation on and around the site or paying in to the Native Vegetation Fund.</li> <li>The plan in the new PEPR is to make a payment in to the fund.</li> <li>We are making this change as we are having difficulty in meeting the quality aspects in a reasonable timeframe, particularly where we are planting on top of landforms created from mining waste.</li> <li>We are still revegetating the landforms to ensure that they are stable in the long term. The revegetation is predominantly the same native species that would be planted in the original plan, however the primary difference is that the ongoing maintenance and restriction of public access that is required to achieve the quality will not be undertaken. The plants will effectively need to fight it out with other species that may infiltrate the area.</li> <li>The EBPC planting (offsite) are not changed in this plan. We are however engaging with the Commonwealth to shift some of these plantings on to the site where the Northern Woodland (Peppermint Box) is. This will ensure that this area is upgraded and protected with some form of heritage / land management or other agreement</li> </ul>	<ul style="list-style-type: none"> <li>Hillgrove agreed that the area to the north of the main pit (which is shaped like a finger and known as Matthew) should not be disturbed and mention of this area was subsequently removed from Hillgrove’s application for a mine life extension (2014) and its revised PEPR. The current mining approval therefore excludes this area.</li> <li>The KCCCC is aware that Hillgrove is continuing to explore for more commercial minerals deposits on the mining lease. It understood that any successful exploration will result in consultation with the community on what this may mean for future mining activity.</li> <li>NVMP commitment to enhance and protect EPBC listed veg communities</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>Hillgrove to pay SEB obligations into the NV fund and provide a new NVMP as part of the PEPR</li> <li>Ensure new NVMP ensures ongoing protection of EPBC listed communities within the ML</li> <li>Ensure that negotiation with the commonwealth for re-location of off-site EPBC obligations can be shifted to the Northern woodlands and southern grasslands to further ensure protection via heritage or other protective arrangement</li> <li>Facilitate and lead a native veg sub-committee to produce a plan for accessing HGO payment into the fund as a grant form the native veg council for a local community-based re-vegetation project.</li> </ul>

Issues	Community expectations	Company Expectations	Actions
<p><b>Habitat loss and environmental degradation</b></p>	<p>The community expects that the company will:</p> <ul style="list-style-type: none"> <li>respond to habitat loss through its rehabilitation, native vegetation and Significant Environmental Benefits (SEB) programs in a way that promotes continuity, scale, timeliness and viability in future habitat development</li> <li>assist the community where possible in addressing historical habitat loss and environmental degradation (eg from previous mining operations) in on-going rehabilitation, community projects and mine closure and completion planning</li> </ul>	<ul style="list-style-type: none"> <li>The company will continue to provide revegetated landforms to ensure that they are stable in the long term. The revegetation is predominantly the same native species that would be planted in the original plan, however the primary difference is that the ongoing maintenance and restriction of public access that is required to achieve the quality will not be undertaken. The plants will effectively need to fight it out with other species that may infiltrate the area.</li> <li>The EBPC planting (offsite) are not changed in this plan. We are however engaging with the Commonwealth to shift some of these plantings on to the site where the Northern Woodland (Peppermint Box) is. This will ensure that this area is upgraded and protected with some form of heritage / land management or other agreement.</li> </ul>	<ul style="list-style-type: none"> <li>During the original approvals process, the KCCCC sought SEB programs to be delivered in and around the mine site rather than paying into the Native Vegetation Fund. Hillgrove agreed to develop an SEB program in and around the mine site</li> <li>The importance of high environmental value natural populations has been identified. The mine has been encouraged to consider these priorities in its rehabilitation, native vegetation and Significant Environmental Benefits (SEB) programs. This has been extended to include alignment with KCCCC Master Planning process.</li> <li>Three maps have been drawn from the mine's Mine Closure and Completion Plan (MCCP) to show the Significant Environmental Benefit (SEB), rehabilitation, final landscaping and other programs of work on the mining lease and nearby area. The three maps enable the community to understand the plans, provide input as appropriate and track the progress of the implementation.</li> <li>The mine has established and manages a propagation centre and seed bank on site.</li> <li>Trials of rehabilitation techniques have been conducted by the mine such as the NW Woodland Rehabilitation Project. Results of trials have been used to inform the rehabilitation and native vegetation / SEB programs under the MCCP. The native vegetation program, approved as part of the PEPR</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>A project is being developed by the Master Planning Working Party aimed at encouraging access for the wider community to the experience and resources of the propagation centre to support similar rehabilitation programs in the wider community.</li> <li>The Native veg sub committee will together with HGO produce a plan for accessing HGO payment into the NV fund as a grant from the native veg council for a local community-based re-vegetation project.</li> </ul>

Issues	Community expectations	Company Expectations	Actions
<p><b>Data and local knowledge</b></p>	<p>The community expects:</p> <ul style="list-style-type: none"> <li>• to see that the overall environmental programs of the mine will add value to the community and leave a positive legacy by accurately documenting flora and fauna to produce a meaningful longitudinal data set from surveys</li> <li>• that a valuable bank of knowledge and experience in environmental programs will be developed over time by Hillgrove and made available where appropriate to support wider community understanding and on-the-ground projects.</li> <li>• to see consideration given to the potentially for other species still not recorded in the areas proposed for clearance to be identified from surveys.</li> </ul>	<ul style="list-style-type: none"> <li>• Longitudinal surveys will continue and remain available via the K4C and company websites</li> <li>• The bank of knowledge (various studies) will remain available via the K4C and company websites</li> <li>• Ongoing propagation and recruitment of orchids into the woodlands and other revegetated areas.</li> </ul>	<ul style="list-style-type: none"> <li>• Flora and fauna surveys have been conducted regularly since 2005 to better understand the natural environment. The methodology used in these surveys is designed to ensure that data is accurate, valid and consistent with longitudinal data sets.</li> <li>• Initiatives such as seed collection and animal rescue have become part of the routine practice for the mine.</li> <li>• An ongoing collection of survey data is a feature of the work of the propagation centre and seed bank in conjunction with the very active local Landcare group.</li> <li>• Survey information is also used by the mine to assist with seed collection and other management programs to promote the integrity of the flora gene pool.</li> <li>• A number of small scale community benefit projects have been suggested by the KCCCC Master Planning Working Party. Data and information from the mine's experience with rehabilitation programs are seen as useful to support these projects.</li> <li>• The Master Planning Working Party is keen to encourage access for the wider community to the experience and resources of the propagation centre to support similar rehabilitation programs in the wider community.</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>• HGO will transfer this bank of knowledge via duplication to the K4C website and the local Landcare group</li> <li>• HGO will continue to present research material to local groups as requested</li> </ul>

### Topic 3: Mine closure and completion

Issues	Community expectations	Company expectations	Actions
<p><b>Mine Closure and Completion Plan</b></p> <ul style="list-style-type: none"> <li>• <b>rehabilitation</b></li> <li>• <b>decommissioning</b></li> <li>• <b>completion</b></li> </ul>	<p>The community expects that:</p> <ul style="list-style-type: none"> <li>• there will be sufficient securities held by the Regulator to ensure that the agree rehabilitation and closure / completion program for the mine site can be guaranteed</li> </ul>	<ul style="list-style-type: none"> <li>• The company has submitted a revised bond to the DEM determine adequate security.</li> </ul>	<ul style="list-style-type: none"> <li>• The SA Mining Regulator previously held a cash bond for the purposes of ensuring that there is security over the mine closure and completion plan for the Kanmantoo Copper Mine. As part of Hillgrove’s debt and balance sheet restructure in mid-2016, the Mining regulator has agreed to convert the environmental bond obligations to security over the company assets.</li> <li>• The KCCCC Master Planning Working Party was established in later2014. A community vision for the future of the mining lease area after mining has been developed. This vision is currently being developed as a series of actions linked to the mine’s closure and completion plan. The aim is to encourage alignment between the rehabilitation and final design program, the future status of infrastructure and the future land use options favoured by the community.</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>• HGO will continue to maintain an adequate bond to provide for environmental restoration</li> </ul>



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<p><b>Environmental integrity</b></p>	<p>The community expects that:</p> <ul style="list-style-type: none"> <li>engineered structures like the tailing dam's liner will be upgraded as required to manage any changes to load that may arise from changes to mining operation</li> </ul>	<ul style="list-style-type: none"> <li>All engineered landforms continue to be subjected to re-design parameters (i.e. stability analysis) and independent verification.</li> <li>Provision in PEPR to place tailings from the <b>Old Tailings Dam</b> in the new TSF. <i>This is only required for the Pumped Hydro project. There is actually sufficient capacity in the existing TSF to hold almost all of the proposed underground mining movement.</i></li> </ul>	<ul style="list-style-type: none"> <li>Construction at the Tailings Storage Facility (TSF) is currently raising the height of the walls by four (4) metres. There are several 'lifts' to follow before the TSF reaches its final height. The specifications for this facility were approved by the mining Regulator as part of the revised PEPR adopted following the mine life extension approval in July 2014 and 2016.</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>A revised PEPR has been submitted to the government for approval. Part of this document is the culmination of extensive stability and erosion studies to ensure major constructions such as the TSF will function like a natural stable landform.</li> <li>Independent engineers audits and reviews that the TSF is being operated and constructed as per design will continue throughout operations and for a period post-closure until criteria are achieved.</li> </ul>

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<p><b>Final landform</b></p> <ul style="list-style-type: none"> <li>• <b>design</b></li> <li>• <b>construction</b></li> </ul> <p><b>“Visual Amenity”</b></p>	<p>The community expects:</p> <ul style="list-style-type: none"> <li>• to be kept informed about what the final landforms for the rehabilitated mine site will look like and involved through the mine closure planning process.</li> </ul>	<ul style="list-style-type: none"> <li>• The proposal includes a lift on the Tailings Storage Facility (TSF) that is 11m high. The proposed underground only requires a lift of 3-4m, but we are including the higher lift to ensure that the TSF has sufficient capacity to store all of the tailings from the Old Tailings Dam (1970s) should AGL decide to clean this up as part of the Upper Pond construction for their Pumped Hydro project. I will bring the study that we have completed that shows;</li> <li>• 1. What the TSF will look like at 11m height increase from various locations compared to what it looks like now.</li> <li>• 2. The additional areas that will be able to see the TSF as a result of the increased height.</li> </ul>	<ul style="list-style-type: none"> <li>• Hillgrove has prepared and presented information on final landforms and ‘side by side’ comparisons of the original proposed final landforms with those that may arise from a proposed mine life extension</li> <li>• The KCCCC Master Planning process has included consideration of possible multiple land use for the site after mining is completed. Various opportunities for community comment have been provided including at the Callington Show in October 2015 and October 2016 and draft Master Planning documents have been available for comment on the KCCCC webpage.</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>• HGO will continue to consult with neighbours with a view of the landform and where possible to ameliorate visual impacts through revegetation and breaking hard outlines.</li> <li>• VIA studies will continue to be used and presented as a means of predicting what the landform will look like at different stages and on completion</li> </ul>

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<b>Infrastructure legacy</b>	<p>The community expects:</p> <ul style="list-style-type: none"> <li>to be involved in the on-going development / review of the Mine Closure and Completion Plan in order to develop an understanding, contribute useful local knowledge and make suggestions as to how the Plan may deliver sustainable, long term community benefit.</li> <li>that infrastructure developed specifically for the mine such as transport, energy, communications, water and waste facilities are decommissioned by the company with due consideration to the potential for community benefit once mining is concluded.</li> </ul>	<p>Industrial rezone</p> <ul style="list-style-type: none"> <li>An application was approved by Council to rezone the processing area to “Urban Employment Zone” (similar to industrial zone).</li> <li>Council have provided Minister for Planning (Stephan Knoll) with statement of intent to change the zoning.</li> <li>This is expected to be complete by mid-2020.</li> <li>This means that much of the infrastructure that is on the site, including the access road, can remain in place for use after Hillgrove eventually complete mining / processing and leave.</li> <li>There is potential to establish an agri-business industrial site which enhances Council’s agri-business plans for the area, including the establishment of a large dam, to irrigate surrounding farmland for intensive fruit production.</li> <li>HGO developed a concept and design to establish a pumped Hydro-electricity storage scheme utilising the mined landforms within the lease and successfully marketed and sold the concept to AGL</li> </ul>	<ul style="list-style-type: none"> <li>The KCCCC Master Planning process is a forum where opportunities for community benefit from legacy infrastructure can be raised with the mine for potential alignment with the Mine Closure and Completion Plan.</li> <li>The Master Planning process promotes the on-going identification of possible smaller scale community projects which could be delivered in the shorter term. An example is encouraging local landowners to work with the mine to transfer experience with rehabilitation programs and access resources like their seed bank and propagation centre to develop a network of rehabilitated sites that would support native flora and fauna</li> <li>The representative of DSD (state government mining Regulator) on the working party has looked into the potential challenges and likely support from government agencies for community enhancement programs like using mine waste rock to rehabilitate eroded swales in the area.</li> <li>The Master Planning process provides an opportunity for other agencies with responsibility to consider coordination of programs like planting of Council road reserves with native vegetation and possibly including some road reserves to facilitate walking trails and create a green belt with habitat corridors as well as opportunities for bush fire mitigation through the final design of the area covering the mining lease and nearby</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>HGO will keep the community informed of the progress of re-zoning and continuing discussions with third parties for potential re-use of this area and ongoing employment opportunities.</li> <li>HGO will continue to actively engage with various agribusiness on future use of its buffer lands utilising services and infrastructure available on mine closure</li> <li>HGO will continue to assist AGL with construction and studies when requested under agreement and transfer of responsibility of part of the mining lease as per the approved PLRP in the PEPR</li> </ul>

#### Topic 4: Community benefit

Issues	Community expectations	Company expectations	Actions
<p><b>Economy and jobs</b></p>	<p>The community expects that the company will:</p> <ul style="list-style-type: none"> <li>support local and regional communities through appropriate employment policy that recognises the benefits of employing people who live nearby the mine without compromising fair, equitable and legal employment practices aimed at identifying the best available person for the job</li> <li>support local and regional businesses through appropriate procurement policy that recognises the benefits of buying locally without compromising commercial good practice</li> </ul>	<p>Employment opportunities</p> <ul style="list-style-type: none"> <li>The jobs created by underground mining is around 140. It prevents the existing 70 people from losing their jobs early next year, and provides an additional 70 roles.</li> <li>The local hire policy that Hillgrove have successfully put in place since operations commenced will continue and be a requirement of any contractor.</li> <li>Ongoing employment in the area</li> </ul>	<ul style="list-style-type: none"> <li>As of April 2016, there were 195 direct employees at the mine</li> <li>Employees living in the local community of Kanmantoo / Callington (i.e. within 5 kilometres of the mine) was 36 persons</li> <li>Employees living in the regional community (i.e. within 25 kilometres of the mine) was 118 persons (not including the 36 persons living in the local area)</li> <li>This means that 80% of employees are based in the local community or the region.</li> <li>Up until June 2016 there has been over \$37 million of work directed to local and regional businesses with over 200 suppliers and contractors involved.</li> <li>The employment policy of Hillgrove acknowledges the benefits of employing local people and using local services and product suppliers.</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>HGO will continue to maximise employment opportunities within its own operations for local people</li> <li>HGO will facilitate the establishment of other business opportunities with its land and infrastructure to provide future opportunities to the local community</li> </ul>

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<b>Local community development</b>	<p>The community expects that the company will behave as an interested and engaged member of the community and as far as possible:</p> <ul style="list-style-type: none"> <li>• support local community projects</li> <li>• support local events</li> <li>• support local organisations like <ul style="list-style-type: none"> <li>– local school</li> <li>– sporting clubs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Through the “Master Plan” process, local employment and community sponsorship HGO will continue to develop the community</li> </ul>	<ul style="list-style-type: none"> <li>• HGO committed to the construction of the recycled water pipeline from mount barker and irrigation of the school grounds and oval as part of its community benefit plan</li> <li>• Hillgrove sponsors many local community groups as part of an ongoing agreement and multiple one-off projects</li> <li>• Hillgrove supports community events including the Callington Show and Callington Christmas Pageant.</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>• HGO will continue to work with the K4C Master Planning Sub Committee to encourage development in keeping with the community’s values and the 4 pillars of the plan. This would govern/guide the types of business and undertakings that could take place on HGO land or what projects would be considered for support.</li> <li>• HGO will continue to promote the Master Plan and assist the community to seek benefits as a result of the state government royalties collected from the mine payments into the Native Veg fund</li> </ul>

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<b>Building relationships</b>	<p>The community expects that the company will:</p> <ul style="list-style-type: none"> <li>• support the KCCCC Master Planning process with a view to identifying where the Mine Closure and Completion Plan may support positive community outcomes</li> <li>• support links with organisations who have a role in the future of the area after mining is concluded like <ul style="list-style-type: none"> <li>– local community groups including Landcare</li> <li>– local Councils involved in strategic planning</li> <li>– local Councils involved in development planning like DPA’s for tourism or rural pursuits</li> <li>– educational and research institutions</li> <li>– the tourism industry</li> <li>– State Government agencies like PIRSA, DSD and DEWNR</li> </ul> </li> <li>• support the community in seeking benefits as a result of the state government royalties collected from the mine as well as the day to day operations of the mine</li> </ul>	<ul style="list-style-type: none"> <li>• HGO will continue to integrate Hansons Quarry and Neutrog and AGL and other organisations and stakeholders into the K4C process and Master Plan development.</li> </ul>	<ul style="list-style-type: none"> <li>• A KCCCC Working Party has the overall aim encouraging the mine to consider community priorities for a sustainable future for the area in its mine closure and completion planning.</li> <li>• The Working Party is keen to involve the whole community in this initiative. A Discussion Paper was produced aimed at identifying the likely drivers and priorities for community development, the strengths of the area and potential concept plans.</li> <li>• This initiative coincides with the District Council of Mt Barker’s review of its Strategic Plan which is seen by the KCCCC as an essential alignment necessary to deliver community priorities for the future of the area.</li> <li>• A visual representation of a possible future landscape for the area was produced along with a draft Master Plan in 2015</li> <li>• Input on the Master Plan was received from the SA Mining History Group at its 2016 Workshop held at Callington</li> <li>• Input from the wider community has been encouraged through: <ul style="list-style-type: none"> <li>– regular agenda item at KCCCC meetings since later 2014</li> <li>– community events like Callington Show (2015 and 2016)</li> <li>– encouraging comment on draft discussion paper and follow up information available on the KCCCC webpage</li> <li>– posting Master Planning Working Party notes on the KCCCC webpage and</li> <li>– participation in community consultation held by the Mt Barker District Council as part of its Strategic Plan</li> </ul> </li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>• HGO will continue to promote the Master Plan and assist the community to seek benefits as a result of the state government royalties collected from the mine payments into the Native Veg fund</li> <li>• HGO will maintain the participation of other groups and local industry and government in the community Consultative Community</li> <li>• HGO will continue to liaise with community groups and individuals and foster opportunities for direct contact</li> </ul>

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<b>Promotion</b>	<p>The community expects the company to:</p> <ul style="list-style-type: none"> <li>• build a list of examples of leading practice to help promote the area with flow on benefits to the community like supporting land values</li> <li>• promote the Kanmantoo Callington area wherever possible as a great place to live and work</li> <li>• support the local community as a responsible member of that community</li> </ul>	<ul style="list-style-type: none"> <li>• Delivered via the “Master Plan</li> </ul>	<ul style="list-style-type: none"> <li>• Hillgrove is a member of the Kanmantoo Callington Community Consultative Committee (KCCCC)</li> <li>• Hillgrove has implemented various policies that recognise the value of the local community including employing locally, sourcing local suppliers and supporting local organisations and events (some examples shown above under ‘Community Development’)</li> </ul> <p>2019</p> <ul style="list-style-type: none"> <li>• HGO will continue to promote the Master Plan and assist the community to seek benefits as a result of the state government royalties collected from the mine payments into the Native Veg fund</li> <li>• HGO will maintain the participation of other groups and local industry and government in the community Consultative Community</li> <li>• Facilitate site visits and invitations to K4C meetings for persons who may assist in the delivery of the master plan</li> </ul>