

## Meeting Agenda – Northparkes Community Consultative Committee Meeting

Date & Time	Friday 21 October 2022, 2 – 4 pm
Venue	Parkes Council Chambers, Committee Room

Attendees	<p>David Johnson      CCC Independent Chair</p> <p>Jianjun Tian      Managing Director, Northparkes Mines</p> <p>Stacey Kelly      PSE Manager, Northparkes Mines</p> <p>Laura Mansell      Community &amp; External Relations Advisor</p> <p>Chris Higgins      Environment &amp; Farms Superintendent</p> <p>Cr Glenn Wilson      Parkes Shire Councillor</p> <p>Cr Brian Mattiske      Forbes Shire Councillor</p> <p>Cr Steve Karaitiana      Forbes Shire Councillor</p> <p>Cr Ken Keith OAM      Parkes Shire Council, Mayor</p> <p>Cr Jacob Cass      Parkes Shire Councillor (Alt)</p> <p>Andrew Rice      Community Representative</p> <p>Phil Moss      Community Representative</p>
Apologies	<p>Margaret Applebee      Community Representative</p> <p>Cr Bill Jayet      Parkes Shire Councillor</p> <p>Scott Bickett      Community Representative</p> <p>Geoff Rice      Community Representative</p> <p>Sandra Parker      Parkes High School, Principal</p>

Agenda Item	Description
1.	Acknowledgement of Country
2.	Welcome and Apologies
3.	Declaration of Precautionary and Other Interest
4.	Business arising from previous minutes – response to issues raised or provision of additional information requests.
5.	Correspondence

6.	CMOC-Northparkes Mines reports and overview of activities: <ul style="list-style-type: none"> <li>• Business Update</li> <li>• Approvals Status</li> <li>• Environmental and Farming</li> <li>• Community Update</li> </ul>
7.	Other agenda items
8.	General business
9.	Determine date of next meeting
10.	Close

## 1. WELCOME

David opened the meeting at 2.05pm and provided an Acknowledgement of country.

David welcomed all members; noted that there are new representatives from both Parkes Shire Council and Northparkes Mines.

Parkes Shire Council Cr Jacob Cass was welcomed to the group and Northparkes Community & External Relations Advisor Laura Mansell was welcomed to the group.

## 2. APOLOGIES

Margaret Applebee	Community Representative
Cr Bill Jayet	Parkes Shire Councillor
Scott Bickett	Community Representative
Geoff Rice	Community Representative
Sandra Parker	Parkes High School, Principal

## 3. DECLARATION OF PECUNIARY OR OTHER INTEREST

The committee was reminded they should declare any pecuniary and non-pecuniary interests if appropriate; No further interests were declared.

David Johnson reminded the groups that it is required for the committee members to fill out a 'Code of Conduct Agreement – Members' and a 'Declaration of Pecuniary and Non-Pecuniary Interests'. These forms were distributed to Glenn Wilson, Laura Mansell and Jianjun Tian, electronic forms to be emailed to Jacob Cass.

The committee was reminded that all media enquiries are to be directed to Northparkes, Community & External Relations advisor – Laura Mansell, and committee members are not able to speak to the public or media on behalf of this committee, as per the code of conduct.

## 4. BUSINESS ARISING FROM PREVIOUS MINUTES

David Johnson highlighted the efforts made to hold a CCC meeting on August 17<sup>th</sup> online, which did not receive sufficient attendance and was cancelled. No formal minutes were recorded and the meeting was closed at 2.15pm.

The minutes from the previous meeting, March 22 were accepted and agreed.

There was no previous actions from the minutes.

## 5. CORRESPONDENCE

David Johnson referred to the email issued by himself, on October 14<sup>th</sup> regarding the revised CCC guidelines announced by the Department of Planning. The committee was reminded that commentary/feedback is requested by 4<sup>th</sup> of November, if any members would like to make comment. Template and guideline draft have been issued to the group.

## 6. CMOC – NORTH PARKES MINES UPDATE

Stacey Kelly acknowledged Gabe Albert's contributions to the committee, and advised that Gabe has been promoted within the business and is now responsible for our concentrate sales and logistics.

### 6.1 CMOC Update

Jianjun Tian provided an overview of Northparkes' parent company, CMOC. CMOC is a global operation with over 30 offices globally.



Jianjun Tian continued, Cobalt is becoming a key mineral resource for CMOC with our trajectory to become the top producer of the metal.

## STELLAR GROWTH PROPELLED BY OVERSEAS M&AS

CMOC started as a county-level SOE in Henan province, China, and is now among the top league in global mining industry upon completion of **2** ownership reforms, **4** equity financings, and **6** overseas asset acquisitions for over USD **70** billion in total.



Jianjun added, the company have a strong and continuing focus on copper production and Northparkes play a key role in the company's vision. There is an increasing focus on Environment Social and Governance (ESG) responsibilities and renewable energy technologies. CMOC have a Net Zero by 2050 target, Northparkes are looking at a number of opportunities to meet the company's commitment.

## MINING FOR A GREEN FUTURE AND BETTER LIFE

CMOC provides raw materials indispensable to our lives. Mineral products that CMOC produces are widely used in every day life, manufacturing, and technological innovation. Our products are key materials not only in mobile phones, automobiles, and painting colors, but also in agriculture including farming and food processing and manufacturing including in pipelines, bridges, buildings, lightings, cooling, precision machinery, and aerospace.

Resources of key products (by metal content)



Question: Cr Ken Keith asked whether CMOC have approached or considered any capital investments in the new Sunrise Mine in Fifield?



### 6.3 Operational Performance

Mining and milling rates are on target, and we are performing well and inline with expectation. Grade is down, and ongoing blending of E48 /E26L1N materials is ongoing.

## Operations Performance



- Mining and milling rates on target
- E26L1N performing well and in line with the expectation
- E26L1N/E48 blending optimized, though plant feed grade is below plan
- Cu & Au recoveries close to plan, though both Cu & Au metal production is below, mainly due to lower ore grade
- Ongoing issues throughout 2022 with transport of product to Port Kembla with rail line closures and industrial action

	2022 Annual Target	YTD Performance
Underground Mining	6,002	
Surface Stockpile	1,677	
Processing Throughout	7,600	
Grade (Cu, Au)	0.5 0.15	
Recovery (Cu, Au)	82 67.6	
Metal Production (Cu, Au)	31,180 24,062	
Shipments	12	

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E26L1N construction was completed earlier in 2022, and is in full production – see construction time lapse here <https://fb.watch/gIGYqAhGDN/>

E48 is towards the end of life, and new projects are being developed to maintain production. Ore bodies E22 and E31/E31N are being developed for the immediate future. E31 surface blasting has started, with the top surface rock is being stripped in preparation for mining.

Tailings dam projects are ongoing, with construction started on Rosedale and tailings deposition within Estcourt Stage 3 having commenced this year.

TSF 2 embankment remediation works were required due to compliance, and have been ongoing since last year. The ongoing wet weather conditions are delaying the completion of this project.

Question: Cr Ken Keith asked whether the TSF 2 wall is stable now?

Answer: Jianjun Tian advised the wall is stable and compliant. We have frequent interactions and communications with the regulator to ensure we are achieving and maintaining compliance.



## Tailings Storage Facility Update



- **Estcourt Stage 3 Project**  
Construction completed
- **Rosedale Stage 3 Project**  
Commenced with the top bench stripping of E31
- **TSF 2 Stabilisation Project**  
Unloading and construction progressing well



East Corner

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## New Mining Project Developments



### E22 Block Cave

New underground block cave  
Review with CMOC HO is ongoing  
Likely feasibility study and early development works in 2023

### E31/31N Open Cut

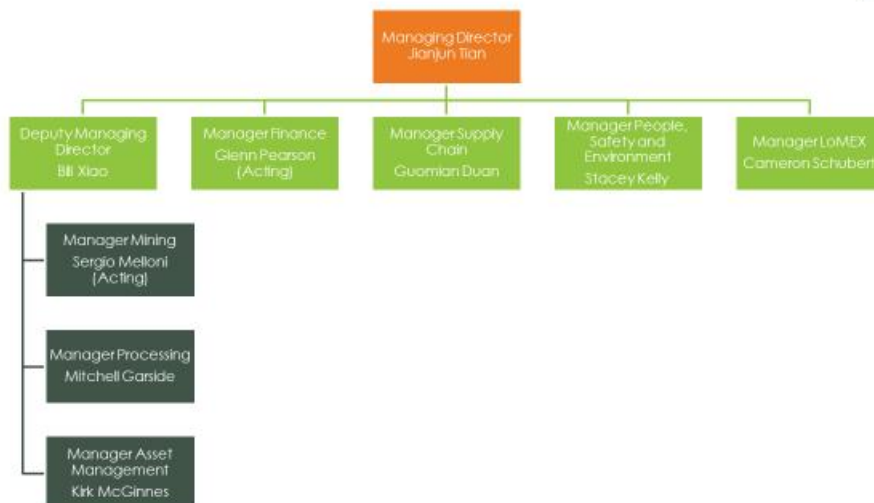
Finalise and revise feasibility study  
Likely production in 2023



## 6.4 Leadership Structure

Northparkes have welcomed Bill Xiao, Deputy Managing Director, appointed by CMOC head office. Bill will report to Jianjun Tian, and is responsible for Mining, Asset Management and Ore Processing. Bill has many years' experience working in Mines, most recently working in a gold mine in Western Australia.

## Leadership Team Update



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## 6.5 Business Updates

Stacey Kelly announced some of the highlights across our business from the reporting period, including the visit of CMOC CEO Mr Sun. Stacey acknowledged Parkes Shire for their contributions, and the civic reception hosted to welcome Mr Sun to Parkes. Gratitude was also extended to the Forbes Shire Council who attended the reception.

## Northparkes Update



Joint Venture Policy Committee



Mr Sun CMOC CEO Visit



Gender and Diversity Champion – National Award winner  
Michelle Wetherell



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Jianjun Tian echoed Stacey's remarks, noting it was well received.

Cr Ken Keith thanked Jianjun for his support in making the event and introduction a success.

Also during the period, the Joint Venture Policy Committee meeting was held. 11 representatives from Sumitomo groups, the Japan based 20% owner of Northparkes, travelled to Parkes for the biannual policy meeting.

Michelle Wetherell has been recognised as the state and national award winner for 2022 Women In Resources "Diversity and Inclusion Champion".

Northparkes has an ongoing commitment to mental health and continues to hold a range of programs to support this; R U Ok? Day, Mates in Mining etc. Mental health and mitigating psychosocial hazards in the workplace are as important as physical health.

Our 2023 Apprenticeship program has opened, and at this stage we will have 6 new apprentices for next year.

The Women in Trade program is running for a second time, with 10 spots available for women to undertake a civil construction tafe program. The last round was very successful, with 3 of the 10 attendees taking on roles out of the program. Northparkes have sponsored this program in both rounds for 2022.



**Women in Trade**

**R U OK? Day**

**Apprenticeship Program**

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**Discussion:** Challenges around attracting and retaining trades and skills

The committee discussed the challenges faced by all businesses in regards to attracting and retaining skills and trades in the area, without one business taking all of the local talent.

Cr Jacob Cass indicated the CEC department can support VET to Higher Education Applications and may be able to support in this area.

Cr Steve Karatiana asked whether Northparkes provide support to those leaving school.

Northparkes works with schools and careers advisors to support those leaving school.

Andrew Rice suggested that businesses across our communities could combine efforts to create pathways to support those seeking apprenticeships and trades.

Over all, the Northparkes pipeline has been effective in attraction and retention, though shares the experience of the challenges faced around attracting the number of applicants required.

*Discussion:* Developing Technology and the careers pathways available

Career pathways are changing rapidly as technology develops. Mining is not being picked up at a tertiary level, with lesser numbers of enrolments in mine engineering degrees. Northparkes have engaged in STEM programs with local schools and understand the importance of these fields for the successful future of our operations.

*Discussion:* Affordability and availability of childcare

Along with attraction and recruitment of personal, one of the other key issues for our workgroup is the availability and affordability of childcare in our communities.

Cr Ken Keith echoes Northparkes concerns, and advised the group of the recent developments and approvals around a new childcare facility in the Parkes Shire.

Cr Ken Keith requested that If there are any health related reasons that people are leaving Northparkes can we please share it with the Parkes Shire Council – as Cr Ken Keith is a member of the Regional Health Ministerial Advisory Panel.

Stacey Kelly informed the group of Northparkes recent community investment in Project Sprouts Early Intervention program – which ensures all pre-school aged children will be screened prior to starting school, and if specialist support is required they will connect the family with the services.

## 6.6 Environmental Approvals

### Modification 6

- Approved 6<sup>th</sup> June
- Preclearance tree survey carried out
- E31 red voids (orange is approved)
- E31 yellow Waste Rock dumps
- Rosedale borrow pits
- Rehab stockpile location
- Infill TSF extension and TSF2 east buttress
- E22 portal and conveyor
- New raw water line and tailings pipelines
- Approval disturbance area clean up
- Biodiversity offset swap area

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The last major approval was Step Change, which was approved in 2014. Since then, we have modified this approval 6 times – with the last being approved 6<sup>th</sup> of June 2022.

The following overview of approvals includes projects that are still early in development and may not be followed through.

## ‘Possible’ five year Approvals Strategy

2022 submit **Modification 8** including:

- New E22 vent fan in W4
- New water storage
- New warehouse building
- Larger E31 void, if required
- Haulage into Parkes for Cu Con (consider Fletcher dubbo siding too)

2023 Submit **Modification 9**, combines items which require a longer timeframe, such as:

- E31 and E31N in-pit tailings
- Larger E28NE void
- Cyclone tailings construction

2023/24 New **State Significant Development** to replace our current Permit by including:

- New block caves such as MJH and other E26 levels/cave (GRP left out at this stage)
- E44 open cut included
- Extend the approved life of mine as far as possible
- Include modifications to the mill process
- Increase the throughput to a level greater than current thought (>10Mtpa)
- Rocklands TSF full footprint
- Increase the approved height of the existing TSFs



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## Mod 8: quick and easy

- Haulage logistics (ability to haul material for 1 long train to Parkes Logistics Terminal) – route through town until bypass opened and then via bypass. Increased flexibility for haulage of larger volumes due to rail logistics constraints.
- Ability to receive up to 2000 tpa of ore material for processing on site (bulk sample or otherwise)
- Rosedale Clay Borrow Pits for mine water storage
- Changes to E31 WR (existing disturbance only)
- Increased Concentrate Storage Area
- New Warehouse Building
- E22 Vent Fan



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## Mod 9: Studies required

- Larger E31 void, if required (will require ecology and Aboriginal cultural heritage assessment)
- E31 and E31N in-pit tailings (will require geochemical and groundwater assessment)
- Larger E31 WR dump (new disturbance area)
- Larger E28NE void
- Larger E28 Waste Stockpile
- Amended E28NE haulage flexibility and stockpile
- Altona Water Storage (and possibly other storages)
- Cyclone-sand tailings construction



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## Proposed SSD: E44 Rocklands plus plus plus

- MJH and other E26 sources (GRP left out at this stage)
- E44 open cut and haulage route(s)
- Modifications to the mill process (Module 3)
- Increase the annual throughput (>12Mtpa) rate to be confirmed
- Rocklands TSF
- Increased approved TSF height of the existing TSFs
- Additional topsoil storage locations
- Extension of Goonumbla Siding to handle longer trains
- Extended life of mine

CMOC | Northparkes



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*Discussions:* Trucking concentrate into Parkes or Dubbo vs extending siding at Goonumbla

The options to truck into Parkes or Dubbo is a contingency plan, in case there are rail or train issues. All options are being considered.

*Discussion:* Vent Fan for the new Block Cave Mine.

Cr Glenn Wilson asked whether Northparkes will be constructing a raise bore shaft for the vent fan at E22.

Jianjun Tian advised that all options are being assessed based on geotechnical requirements and costs. No decision has been made as yet.

Northparkes Life of Mine planning is working towards our vision of 'a century of mining together', there are plenty of ore body prospects; we are currently just determining what sequence makes most sense.

Tailings Dams are required for our life of mine, and the location of the dams is important as where we place them will mean we can't mine below them in the future. The future approvals are also considering the option to increase the height of our dams rather than expanding the footprint of the dams or building more. This also means that less land and habitat are impacted if it's avoidable.

As grade is variable and at times declining, this means that we will need to process more material to achieve the saleable grade.

## Environmental Performance



	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Actual	2022 YTD
Reportable environmental incidents	7	1	0	2	0	0	0
Non-compliances	7	2	0	3	0	0	0
Complaints	2	1	0	1	0	0	0

Multiple community concerns:

- Low regular vibration at neighbours residence
- High beam use on public roads
- Low hum noise more consistent over past months



Northparkes environmental performance has been exceptional, with 0 reportable incidents, 0 non-compliances and 0 community complaints.

We successfully retained our ISO14001 certification, with 0 major or minor non-conformances which we are extremely proud of.

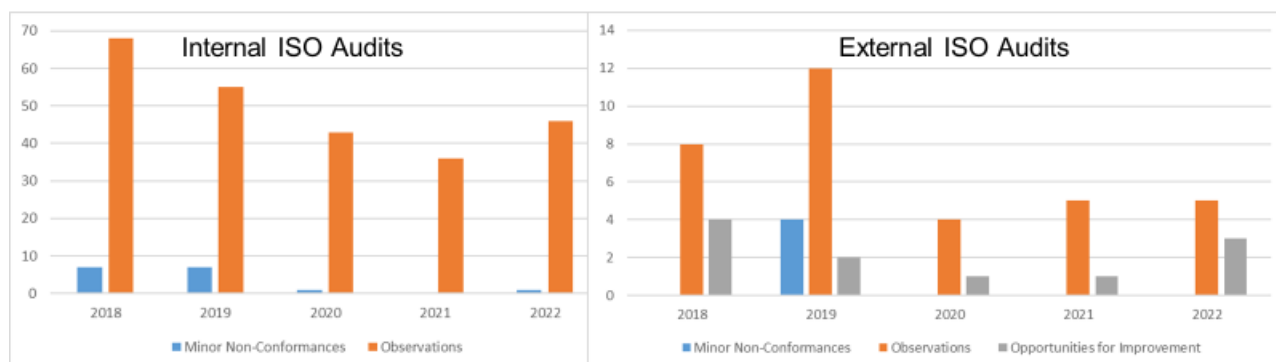
Ongoing monitoring of dust, noise and vibration has been conducted with no exceedances or non-compliance issues.

Phil Moss stated that the final land use plans for Northparkes would be a great topic for future neighbours meetings.

## Environmental Audits



- Audited to the International Standard ISO14001
- Internal audit August 2022
  - 1 minor non-conformance &
  - 46 observations
- External audit October 2022
  - 0 minor non-conformances,
  - five observations &
  - 3 opportunities for improvement



## Noise Monitoring – July 2022

- Compliant with regulatory criteria
- Mine noise just audible at nighttime
- Inspections over the past week has shown the mine has been audible to the south during the day

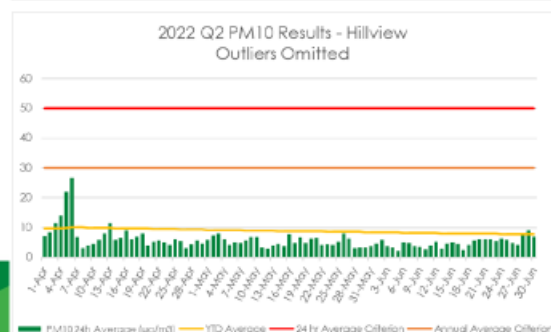
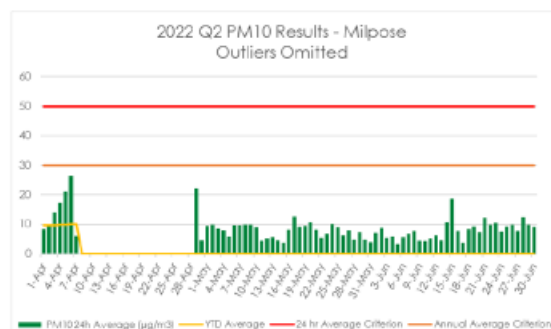
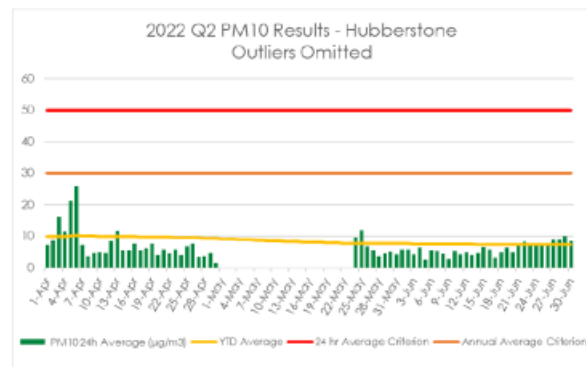
Table 6 Operator-Attended Noise Survey Results – Location NM4, Hillview

Date/Time (hrs)	Noise Descriptor (dBA re 20 µPa)			Meteorology	Description and SPL, dBA	
Duration 15min	L <sub>Amax</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>			
27/07/2022 12:44	67	50	44	WD: SW WS: 2.0m/s Stab Class: D	Wind 38-61 Birds 35-46 Traffic 35-67 NPM Inaudible	
27/07/2022 12:59	65	48	42			
27/07/2022 13:14	59	47	43			
Site L <sub>Aeq</sub> (15min) Contribution					<35	
Evening						
27/07/2022 18:00	63	49	36	WD: W WS: 0.5m/s Stab Class: E	Traffic 23-61 Residential Noise 30-63 Livestock 30-36 NPM Inaudible	
27/07/2022 18:15	60	47	38			
27/07/2022 18:30	59	42	25			
Site L <sub>Aeq</sub> (15min) Contribution					<35	
Night						
27/07/2022 23:56	44	32	28	WD: W WS: 0.5m/s Stab Class: D	Wind 26-41 Livestock 25-37 Traffic 25-44 Residential Noise 30-67 NPM – Hum <25 (barely to just audible throughout)	
27/07/2022 00:11	67	43	29			
27/07/2022 00:26	42	30	28			
Site L <sub>Aeq</sub> (15min) Contribution					<30	
Site L <sub>A1</sub> (15min) Contribution					<40	

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## 2022 Q2 PM10 Dust

- No exceedances.
- Hubberstone and Milpose units had issues during the quarter, which has since been fixed.
- New monitors are being ordered.



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## E31 Open Cut Mining – Started in August 2022

- Four blasts so far, all meeting overpressure and ground vibration criteria limits
- Currently day shift, however 24-hour mining scheduled for 2023 (noise risk)
- Neighbors within 2 km can ask for a property inspection
- The open cuts are limited to one blast event per day
- Surface blasting is between 9 am and 5 pm Monday to Saturday
- No surface blasting on Sundays or public holidays;
- Blasting schedule on website and sent via text messages



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## Rehabilitation Management Plan

- Resources Regulator Reforms required new documents
- Submitted to the regulator in July 2022
- Available on the Northparkes Website



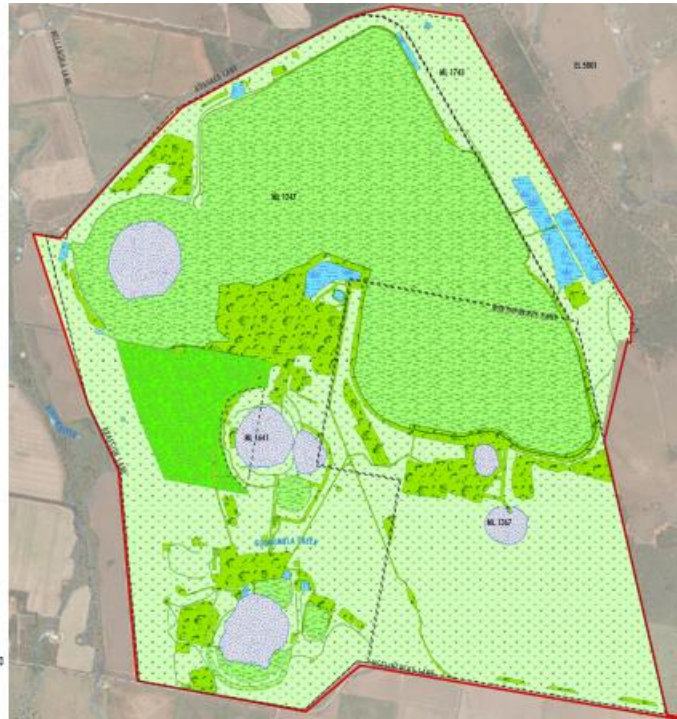
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## Proposed Final Landuse

- Conceptual closure as the life of mine is planned to be extended.
- Currently updating the plan to align with new rehabilitation regulations.

Final Landuse:

- Grasslands: Tailings and waste rock dumps
- Woodland: All other mining areas
- Rural: Undisturbed areas



## Community Performance



	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Actual	2022 YTD
<b>Community Complaints</b>	2	1	0	1	0	0	0

### Concerns raised and currently managed by Northparkes

- Shared road driving concerns – high beam light use
- Noise & vibration at neighbours residence
- Telstra reception in Goonumbula area
- Road conditions, including Braeside Lane

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Over the last period we have supported a number of community events, through volunteering opportunities, investments and engagement.

Notably, the Frontline Ball which raised \$64,704 for our local emergency service groups. The funding is being allocated amongst the service groups for the purchase of equipment to support the services. Additional details around the equipment purchased will be released as these are finalised.

## Community Engagement Projects



### Highlights

- Parkes Elvis Festival
- Try a Trade Day TAFE NSW
- Eco Day
- Frontline Ball
- PSC & NPM Sports Grants
- Parkes and Peak Hill Shows
- Bush Tucker Day
- NAIDOC event



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Our Community Investment Program for H2 is open, with another round of \$50,000 being available for initiatives which support both Parkes and Forbes Shires.



We are hosting a Family Day on 26<sup>th</sup> of November, where our site is opened to family, friends, neighbours and the community. The day will include operations tours, family friendly activities, displays by teams across our organisation and the chance to win an UG tour.

Also coming up is the engagement with Project Sprouts Early Intervention program. Northparkes have just signed a commitment to sponsor the coordinator role for the Project Sprouts program. The services provided by Project Sprouts will ensure that all children in the community are screened before primary school, and connected with specialist services where required.

**Coming up...**

**2022 / 2023**

- Community Investment Program H2
- Family Day 26 November
- Project Sprouts Sponsorship
- Elvis Festival Sponsorship

**Northparkes family day**  
26 November 2022

Buses will be running between Northparkes Oval and Northparkes Mines.

Services from Peak Hill and Forbes will be available.

Limited tickets available, register now to secure your spot!

Use the QR Code to register

For more information contact Louise Marshall  
l.marshall@northparkes.com.au  
T + 61 (02) 4861 3000

**Northparkes Community Investment Program**

**Apply by 31 October 2022**

**\$50,000** available to fund community initiatives

Does your community event, group or project need funding? Northparkes Mines is looking for initiatives to support via our Community Investment Program. We support initiatives which contribute to the Parkes and Forbes local government areas in the following categories:

- Economic development
- Culture and recreation
- Education and youth
- Environment
- Health

**FIND OUT MORE**  
facebook.com/northparkes  
www.northparkes.com  
call 02 4861 3556

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**Question:** Cr Glenn Wilson stated that the Northparkes phone number is not working, and asked how he could get through to someone.

**Action:** Laura to investigate the issue with phone number 6861 3000

## 7. GENERAL BUSINESS

No other business raised.

## 8. DATE FOR NEXT MEETING

The committee discussed the plans for the next meeting and the consideration around having a site tour and/or meeting on site.

The next meeting is proposed to be held in Parkes, 24th March 2023, a Friday afternoon at 4 pm. An on-site meeting and tour will be planned for later in 2023.

David Johnson closed the meeting at 3:55 pm