



## **COMMUNITY CONSULTATIVE COMMITTEE**

**12 AUGUST 2019**

# Disclaimer



## Forward Looking Statements

This presentation includes forward looking statements. Forward looking statements can generally be identified by the use of words such as “may”, “will”, “expect”, “intend”, “plan”, “estimate”, “anticipate”, “continue”, “outlook” and “guidance”, or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs. The Company continues to distinguish between outlook and guidance. Guidance statements relate to the current financial year. Outlook statements relate to years subsequent to the current financial year.

Forward looking statements inherently involve known and unknown risks, uncertainties and other factors that may cause the Company's actual results, performance and achievements to differ materially from statements in this presentation. Relevant factors may include, but are not limited to, changes in commodity prices, foreign exchange fluctuations and general economic conditions, increased costs and demand for production inputs, the speculative nature of exploration and project development, including the risks of obtaining necessary licences and permits and diminishing quantities or grades of reserves, political and social risks, changes to the regulatory framework within which the Company operates or may in the future operate, environmental conditions including extreme weather conditions, recruitment and retention of personnel, industrial relations issues and litigation.

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## Non-IFRS Financial Information

Newcrest results are reported under International Financial Reporting Standards (IFRS) including EBIT and EBITDA. This presentation also includes non-IFRS information including Underlying profit (profit after tax before significant items attributable to owners of the parent company), All-In Sustaining Cost (determined in accordance with the World Gold Council Guidance Note on Non-GAAP Metrics released June 2013), AISC Margin (realised gold price less AISC per ounce sold (where expressed as USD), or realised gold price less AISC per ounce sold divided by realised gold price (where expressed as a %), Interest Coverage Ratio (EBITDA/Interest payable for the relevant period), Free cash flow (cash flow from operating activities less cash flow related to investing activities), EBITDA margin (EBITDA expressed as a percentage of revenue) and EBIT margin (EBIT expressed as a percentage of revenue). These measures are used internally by Management to assess the performance of the business and make decisions on the allocation of resources and are included in this presentation to provide greater understanding of the underlying performance of Newcrest's operations. The non-IFRS information has not been subject to audit or review by Newcrest's external auditor and should be used in addition to IFRS information.

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# Agenda

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1. **Welcome**
2. **Safety Share**
3. **Declaration of Interest**
4. **Minutes and Business Arising:** Bruce Buchanan
5. **Newcrest Update:** Peter Sharpe
6. **Cadia Valley Operations Update:** Peter Sharpe
5. **Environmental Performance Update:** Jeff Burton & Vicki Hood
6. **Project Modifications and Approvals Updates:** Jane Chung
7. **Community Relations Performance Update:** Matt Armstrong
8. **General Business**

# Safety Share

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A safety share from the Community Consultative Committee.



# Production Highlights



## July Quarter:

### Newcrest

- Yearly gold production of 2,488koz, up 6% on the prior year
- Quarterly gold production of 661koz, up 6% on the March 2019 quarter
- Yearly copper production of 106kt, up 36% on the March 2018 quarter
- Quarterly copper production of 106kt, up 36% on the prior year
- Record low annual Group All-In Sustaining Cost (AISC) of \$738 per ounce, down 12% on the prior year

### Cadia

- Gold production of 241koz, up 10% from the March 2019 quarter due to higher mill throughput rate because of improve mill uptime
- Copper production up 18% to 25.5kt from the March 2019 quarter
- Cadia All-In Sustaining Cost - \$122 per ounce - 17% lower than March 2109 quarter predominantly due to an increase in the ratio of copper to gold in the material processed

# Cadia Highlights

## July Quarter:

- Successfully completed the 'Mega-shut'.
- Steady state water recovery from Cadia Hill Pit.
- Pre-Feasibility of the 30MW solar farm completed.
- Molybdenum Recovery Plant approved by the Newcrest Board.
- PC2-3 Early Works progressing well and scheduled for completion in late 2019.

# Update - Cadia Expansion Pre-Feasibility Study



- On 22 August 2018, the Newcrest Board approved gating of the Cadia Expansion Pre-Feasibility Study to Feasibility phase.
- The Study is examining Cadia's future mine design and sustainable production rate including:
  - Processing plant and underground materials handling expansion
  - Development of the next macro block,
  - Processing plant de-bottlenecking and improved metal recovery
  - Production rate increase
- A number of other key studies will also be conducted including:
  - Mining-induced seismicity,
  - Water reliability,
  - Noise,
  - Air quality,
  - Road transport,
  - Heritage and
  - Biodiversity.

# Update - Northern Tailings Storage Facility (NTSF)

## Embankment Slump

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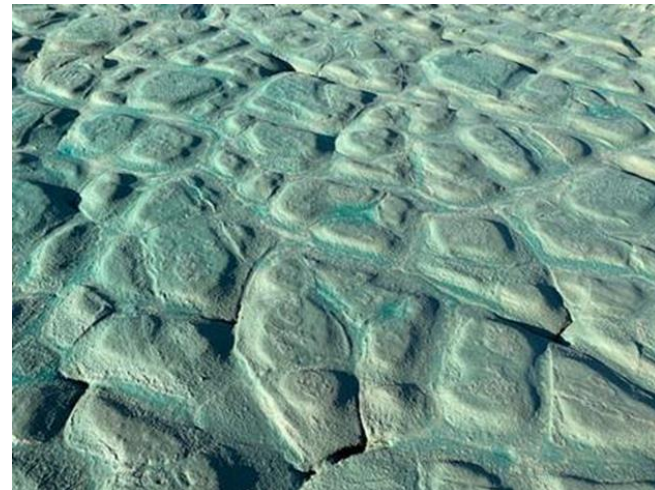


- Cadia presented the findings of the ITRB report and next steps at two Residents' Briefing sessions in May. Sessions were attended by 18 residents.
- Study into repair plans for the NTSF has commenced. Final options and timeframes are still being determined.
- Installation of the Inclinator monitoring instruments has commenced and the work program is on track for completion by December 2019.
- Radars continue to monitor both the Northern and Southern Tailings Storage Facilities have shown no further movement of material since March 2018.
- Prohibition notice preventing deposition of tailings remains in place. Cadia is cycling return water from the Cadia Hill pit through the decant area (NSW Dep. of Planning & Environment, endorsed activity as consistent with Prohibition Notice requirements).



# Update – NTSF Dust Management

- Erizon and Rainstorm, the two dust management specialist companies selected to submit proposals for the on-going management of dust at Cadia, mobilised to site to trial their respective products.
  - Erizon are trialling a hydromulch product (expected to last more than 12 months) over a 70ha area (200m sprayed from the NTSF embankment, for the entire length of the embankment). A small portion will grass seeded to assess the success of vegetating the surface. Completion: mid August.
  - Rainstorm are trialling a polymer product (Gluon RM600) (expected to last up to 6 months). Treatment of a 100ha area was completed in July.
- Due to dry seasonal forecasts Cadia has decided to continue with the application of the Gluon RM600 across the remainder of the accessible NTSF surface to provide full coverage while the outcomes of the trials are fully assessed. Completion: late September.



# Approvals Update – Additional Surface Ventilation Fan

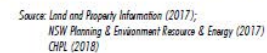
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- For PC2-3 additional ventilation requirements were identified.
- Noise assessments have shown that the proposed surface level ventilation system is not expected to impact on the acoustic amenity of receivers in the vicinity of Cadia.
- Detailed design works are currently being progressed for the vent fans (including attenuation requirements). Construction is due to commence following detailed design in 2020.

# Approvals Update - Modification 13 – Completion of Tailings Deposition in Cadia Hill Pit

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- No change to the Scope for Tailings Deposition in Cadia Hill Pit
  - An increase in the tailings level of Cadia Hill Pit to a final allowable height (713m AHD);
  - Decommissioning and closure of the existing ventilation adit VR101, located in the Cadia Hill open pit, which would be inundated by tailings; and
  - Installation of a new ventilation adit within the current approved disturbance footprint.
- Additional scope will be included to allow buttressing on STSF
  - Flora and fauna assessments have been completed.
  - 0.3 ha of White Box ECC will be disturbed and offsets will be accounted for (note that the White Box ECC consists of sparse arrangement of vegetation, however components meet characteristics of this ECC).
- Submission due August 2019.



# Approvals Update - Other Environmental Approvals

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## Solar Farm

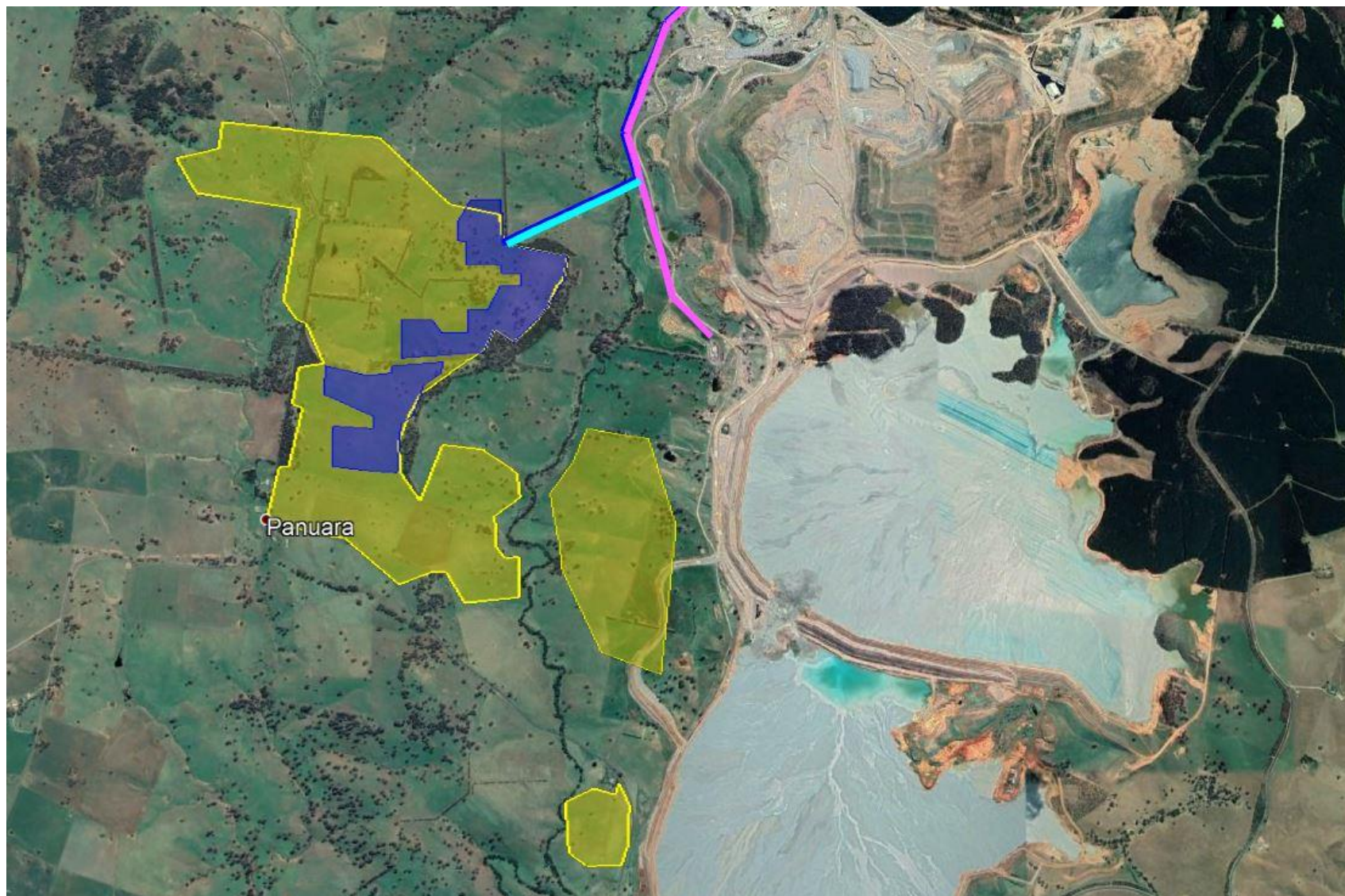
- Pre-feasibility study completed and sent to Newcrest Board for review regarding a solar farm.
- Two areas currently identified for proposed solar farm.
- Preliminary information on locations provided to Blayney Shire Council and DPI&E.
- Community Consultation will be undertaken at a date to be determined.

## Southern Borefield

- Test bore applications approved for proposed southern borefield.
- Construction of test bores and associated monitoring bores has commenced.
- Pump testing will be conducted on bores to determine sustainable yield information.
- Test pumping information will be used to develop a groundwater assessment required for a project approval modification.
- Community Consultation will be undertaken after the groundwater assessment has been completed.



## Solar farm – Pre-feasibility Assessment Areas (yellow)





# Southern Borefield Test Program



**TW = Test Well**

**MB = Monitoring  
Bore**



## Environment



# Environmental Performance



## Reportable Incidents

Nil.

## Attended Noise

- Compliance monitoring was completed between 10 -15 June 2019.
- All locations within criteria, except one surrounding the Cadia Dewatering Facility (CDF) which was outside of the 'nigh time' criteria.

## Unattended Noise (Cadia Noise Trailer)

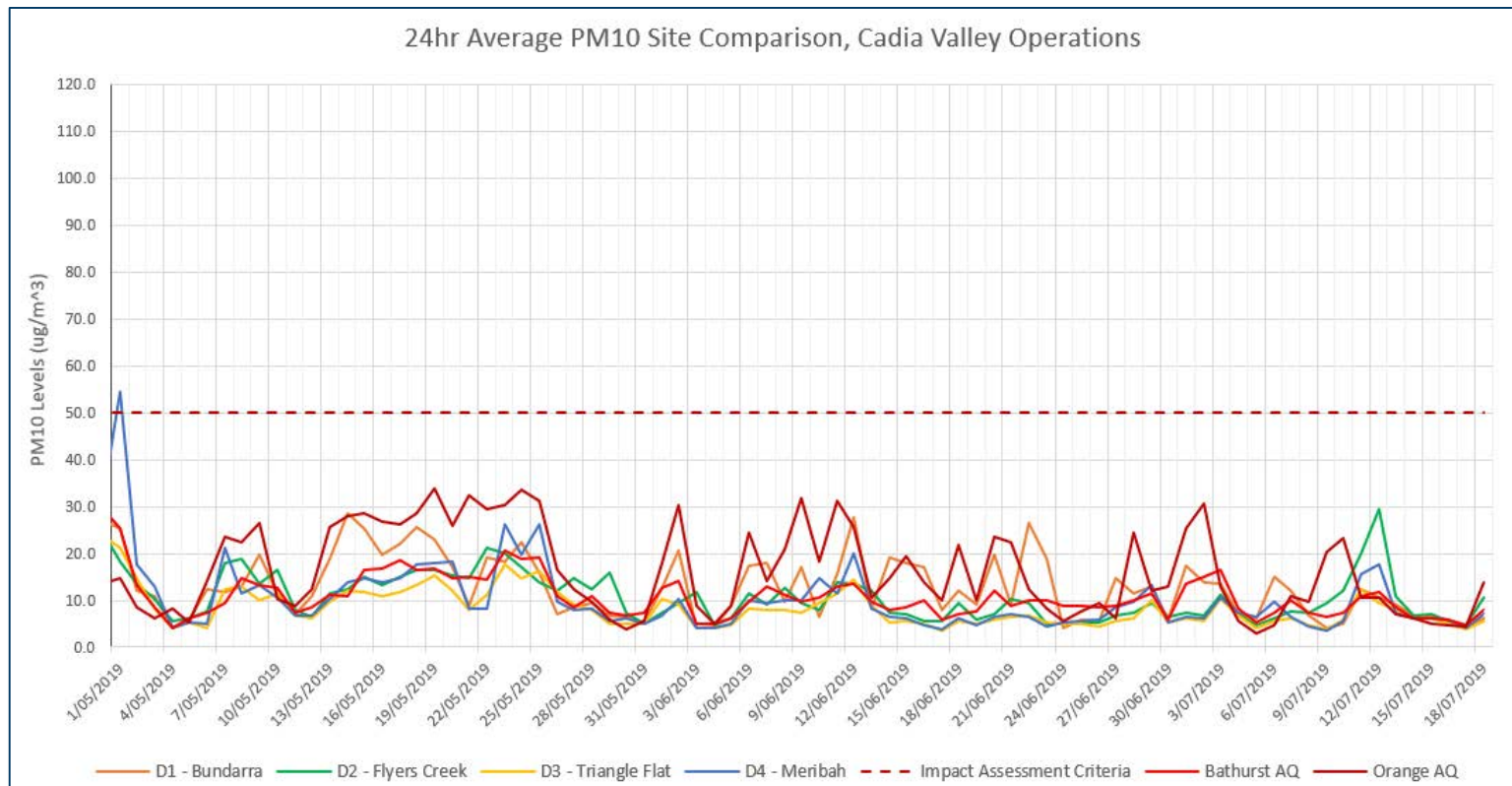
- There were several noise exceedances for May 2019 due to Cadia Dewatering Facility train movements. Mitigation completed at three impacted properties.
  - 7 x 15min exceedances at 247 Newbridge Rd, Blayney,
  - 3 x 15min exceedances at 'Athol' Newbridge Rd, Blayney.

## Blasting

- No vibration and overpressure exceedances were recorded between May-July 2019.

# Air Quality (May-July 2019)

- Strong winds continued during the quarter, however rains dampened the TSF surfaces.
- One exceedance of the short term impact criteria occurred in the Quarter (on 1 May 2019).



- Old Blayney Dewatering Facility (Remediation)
  - Remediation Plan reviewed by the Environment Protection Authority,
  - Blayney Council Briefing - complete.
  - Four demolition contractors invited to tender and have inspected the site,
  - Works are expected to commence November / December 2019.
- Commercial harvesting of Kangaroos re-commenced in June 2019.
  - Total FY19 Numbers - 569
- Blayney Copper Mine (Rehabilitation)
  - Blayney Council briefing held in late July
  - Target is to complete site rehabilitation in FY19.
- Cadia Dewatering Facility
  - Drainage improvement works – design finalised. Tendering about to commence.

## Water

- Cadia currently had approximately 9,958 ML of water on site on 30 June 2019, with the majority held in Cadia Hill Pit
- Water recovery from the pit has significantly improved and reliable performance of this system has been achieved. As such, water levels in Rodds Creek dam have increased.
- Cadia is continuing to pursue a number of on-site water supply options and mitigation activities.
  - Purchase (Temporary Trade) of water allocations on the Belubula River.
  - Changes to Cadiangullong Dam riparian Release Conditions
  - Operation of current approved borefield
  - Investigation into an expanded bore field
  - Extraction of accumulated water from the (backfilled) Cadia Extended pit

# Cadiangullong Dam – update

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- Approval to temporarily cease riparian releases was granted by DI-Water on 8 April 2019 and releases were subsequently stopped. Despite stopping the releases, small flows are continuing in Cadiangullong Creek at a number of locations due to groundwater and tributary inflows.
- Approval has been granted until 30 September 2019 with potential extension until the end of 2019.
- Aquatic ecology monitoring program is ongoing and an additional platypus specialist consultant has been engaged.
- There is a requirement to provide data and reports on aquatic ecology monitoring.
- This information is available on the Cadia Valley website.

# Water Storage & Extraction

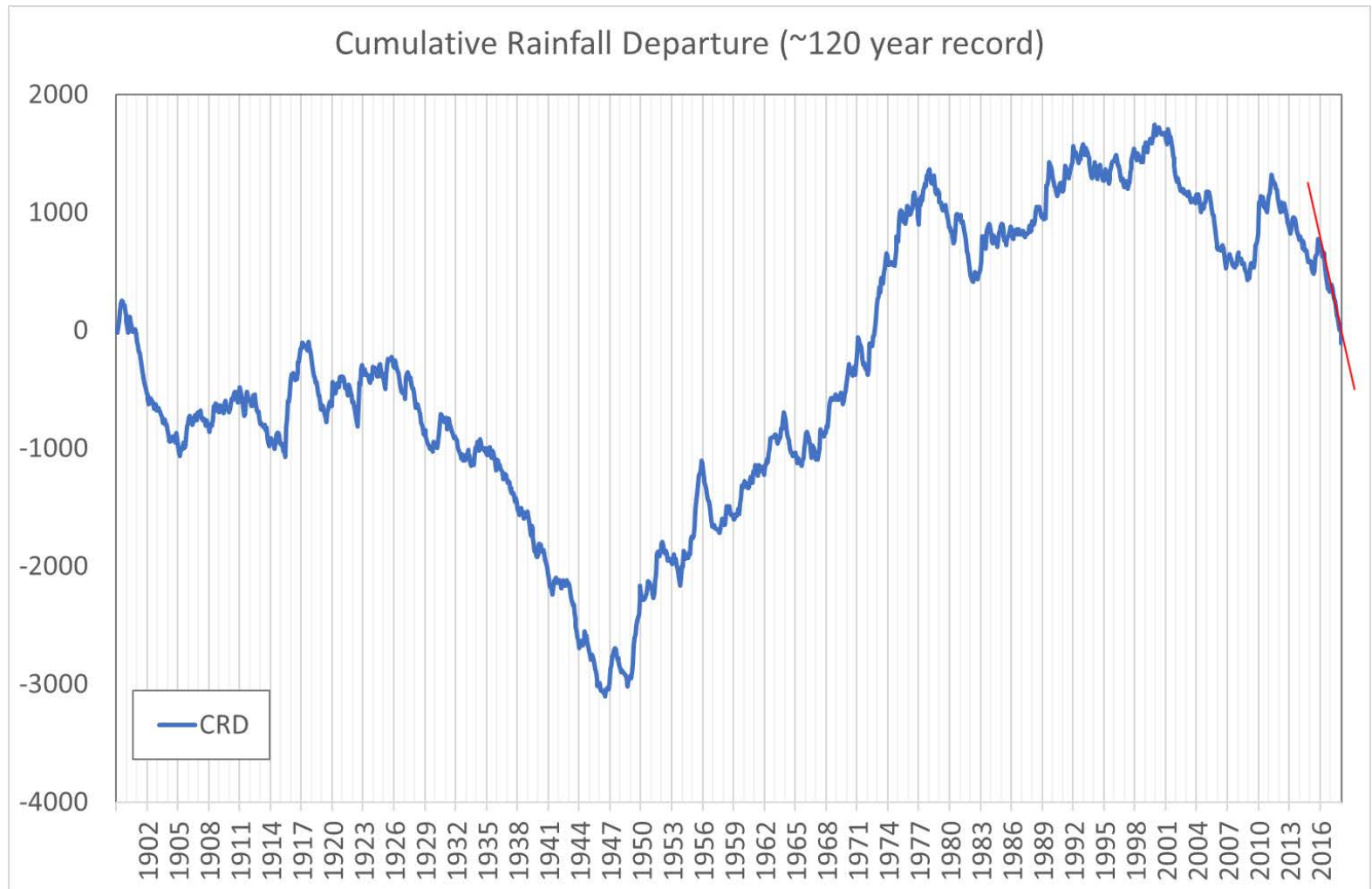


Storage (EOFY19)	Storage (ML)	Percentage
Cadiangullong Dam	408	10%
URC Dam	1,731	12%
Pit	~7,109	
Total	~9,958	

	EOFY19 Extraction (ML)	Entitlement (ML)
Cadiangullong Dam Extraction	161	-
Flyers Creek	21	
Cadia Creek	24	
Runoff (Copper Gully Creek & Rodds Creek)	30	
Cadiangullong Total	236	4,200

	FY 19 Extraction (ML)	Licence Share (ML)
Belubula general security	2,027 + 1,878 trades	4080
Belubula Supplementary	488.7	3,125
Lachlan Fold Belt Groundwater (bores)	56.9	371
Lachlan F.B. Groundwater (mine dewatering)	659	931
Orange Basalt Groundwater (mine dewatering)	82.1	286

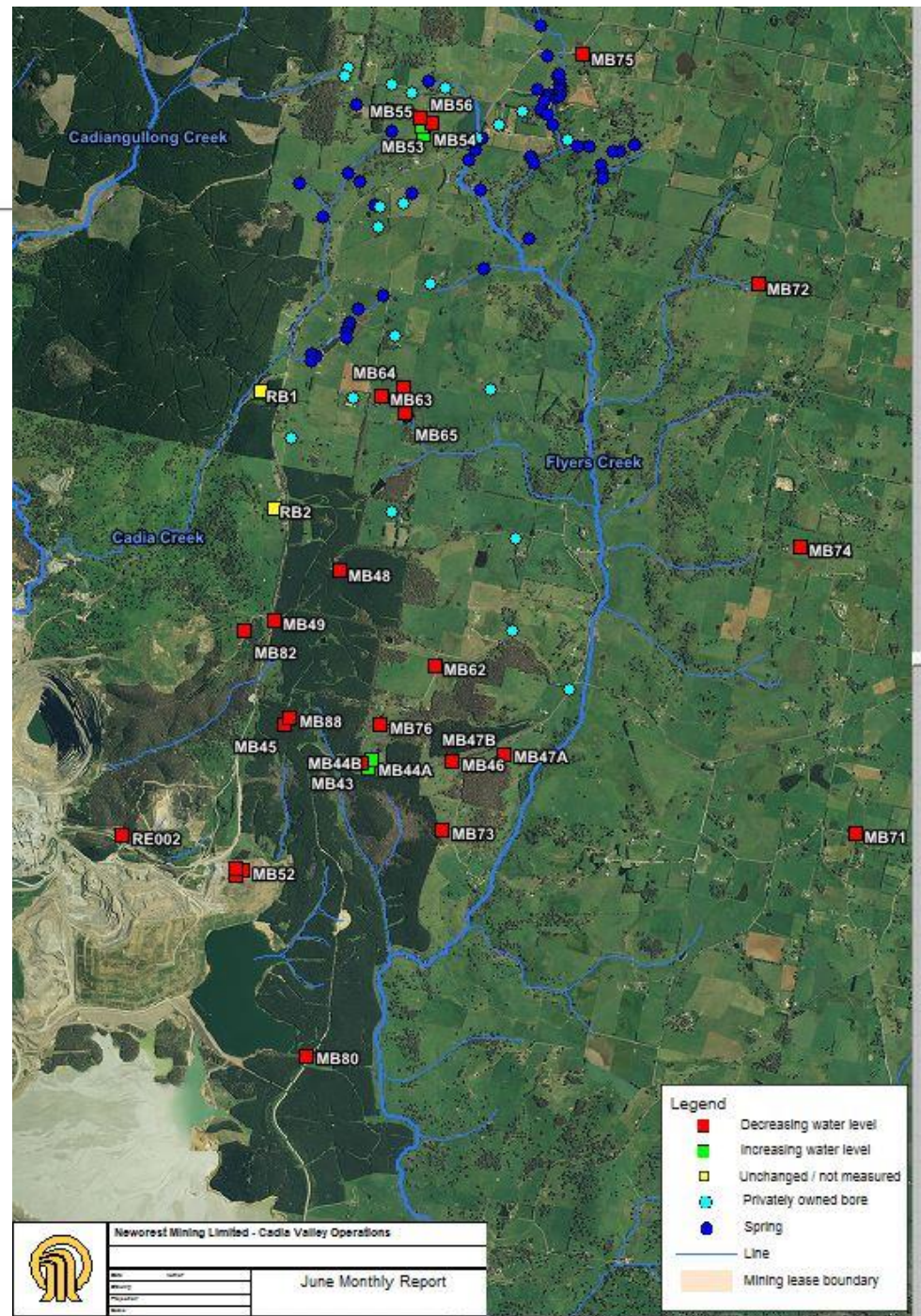
# Regional Rainfall – significant deficit





# Cadia East Groundwater

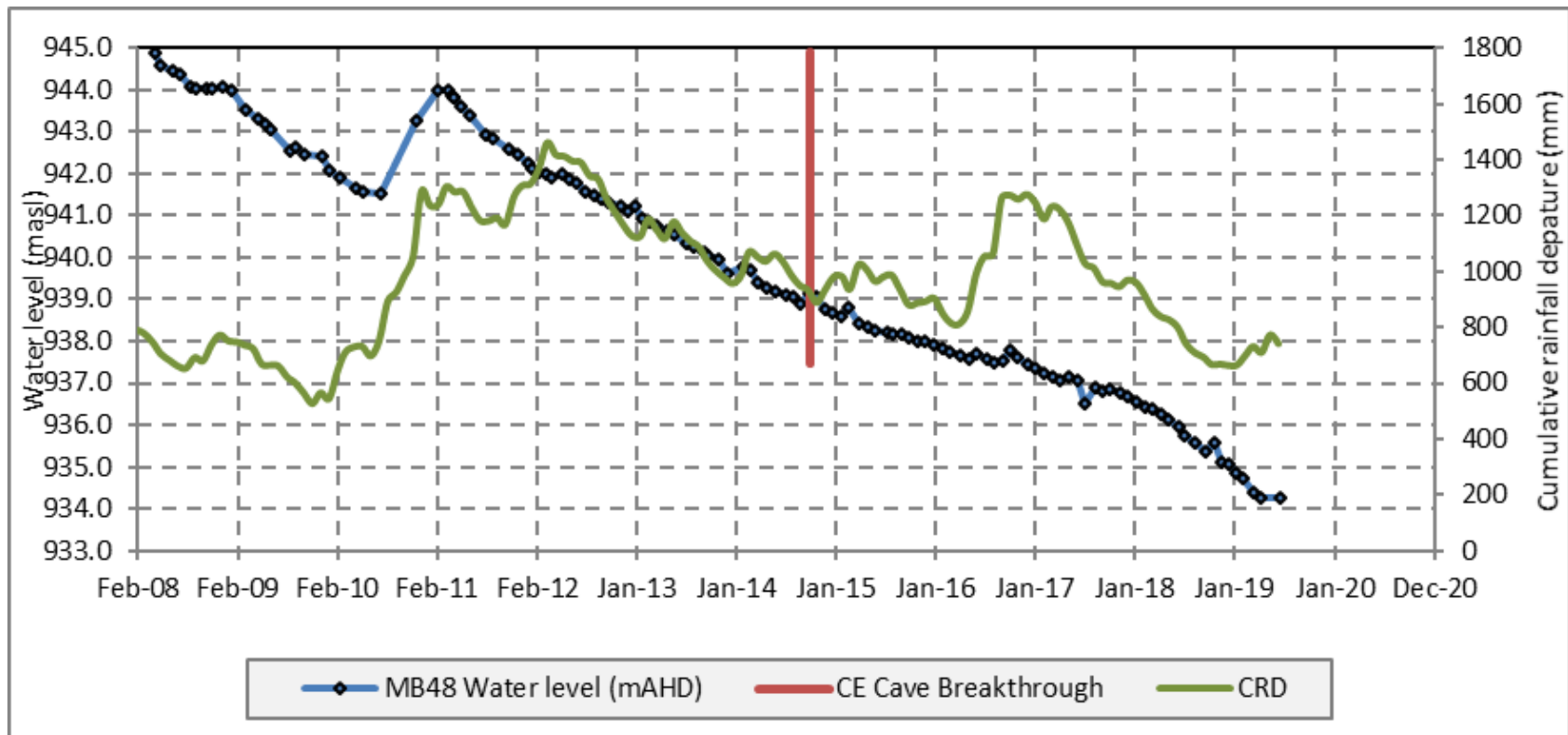
- Continued local and regional groundwater level decline due to continued below average rainfall and no recharge events
- The Bureau of Meteorology recorded 634.8 mm of rain at the Orange Airport weather station which represents approximately 25% less rain than the long term 23 year average of 850.5 mm.
- Cadia site weather stations at Southern Lease boundary and Ridgeway recorded a combined average of 609.5 mm
- Cumulative Rainfall Departure (CRD) was negative for seven of the last twelve months.



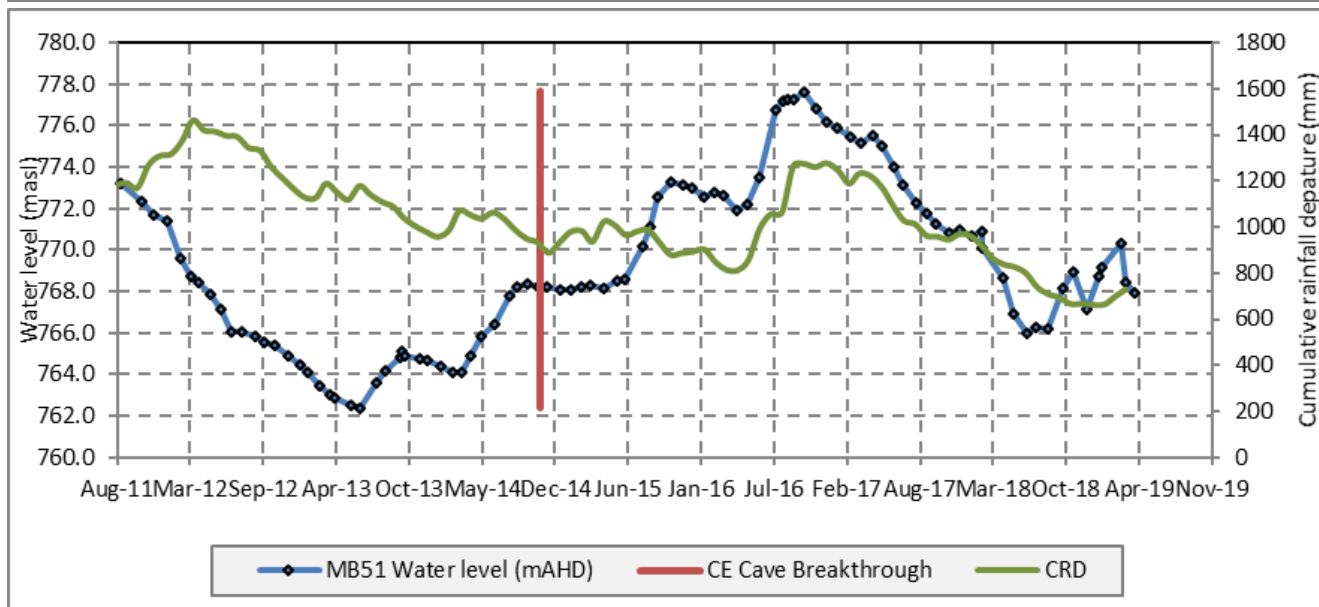
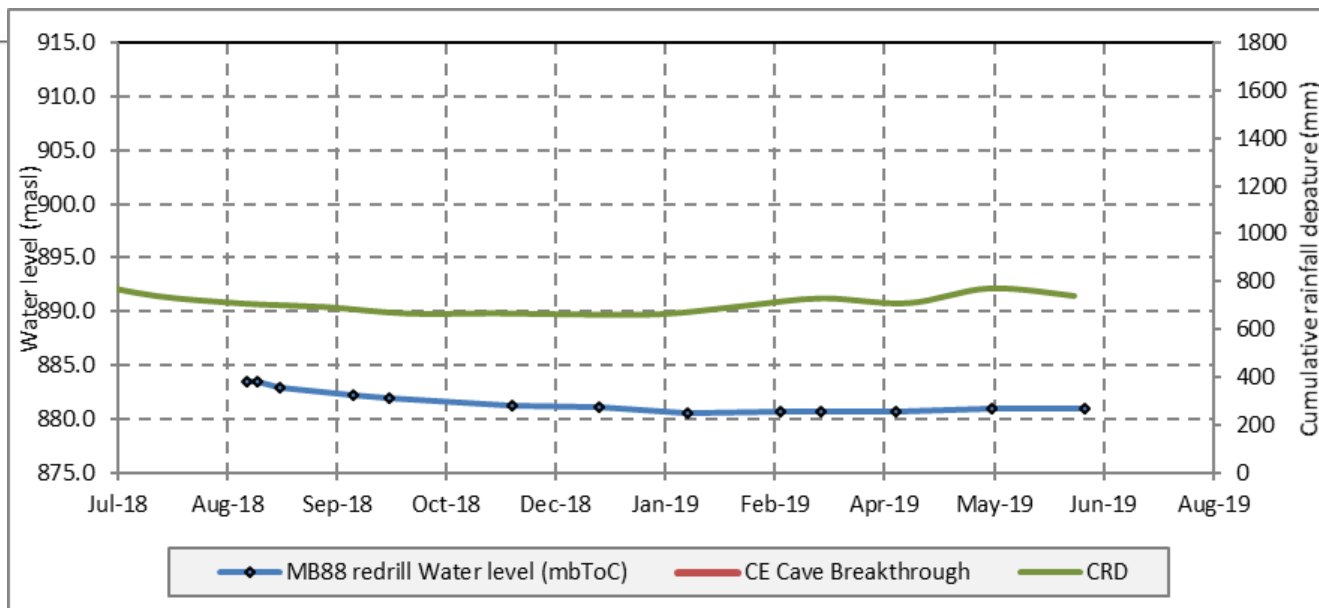


# Cadia East Groundwater

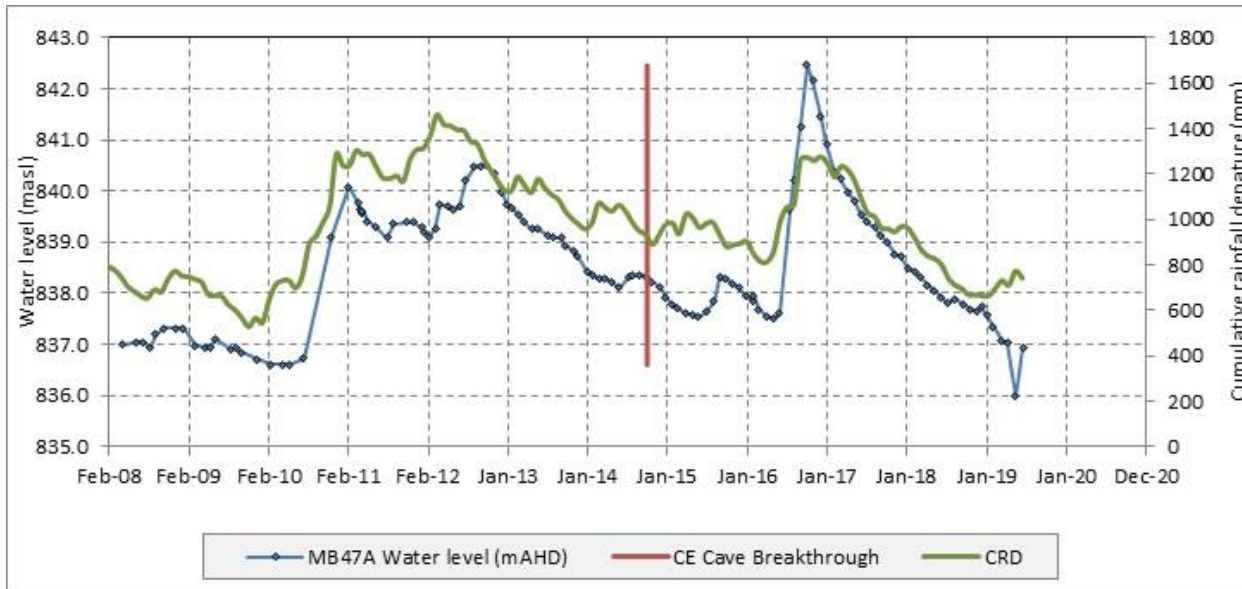
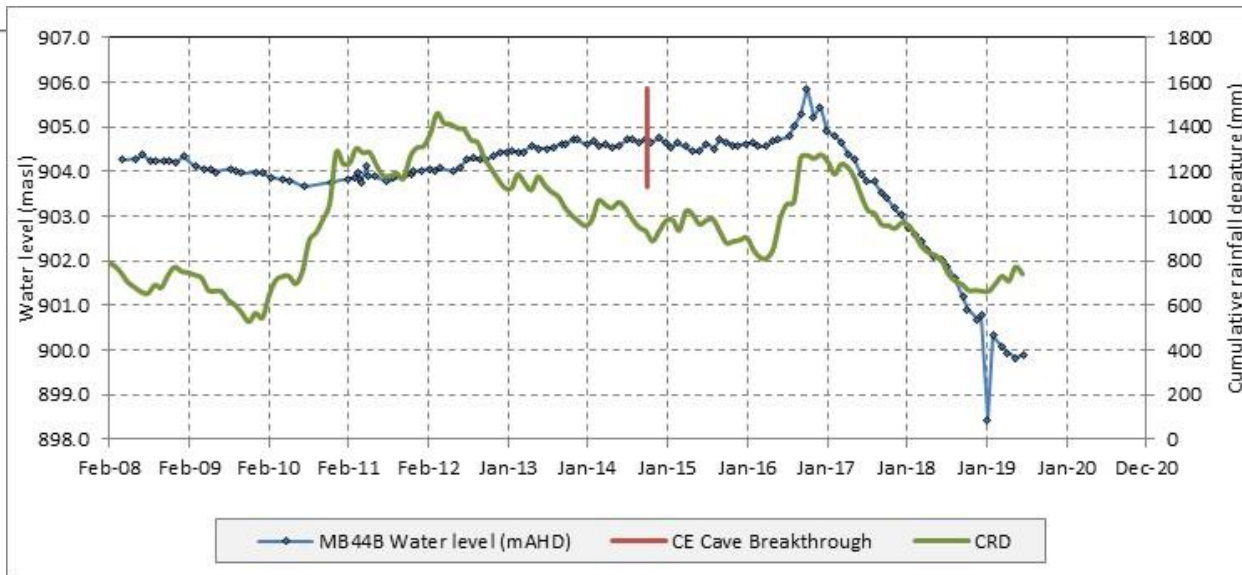
- Groundwater throughout the district continued to drop in response to CRD.
- Rainfall has continued to be well below averages, delivering no recharge events .



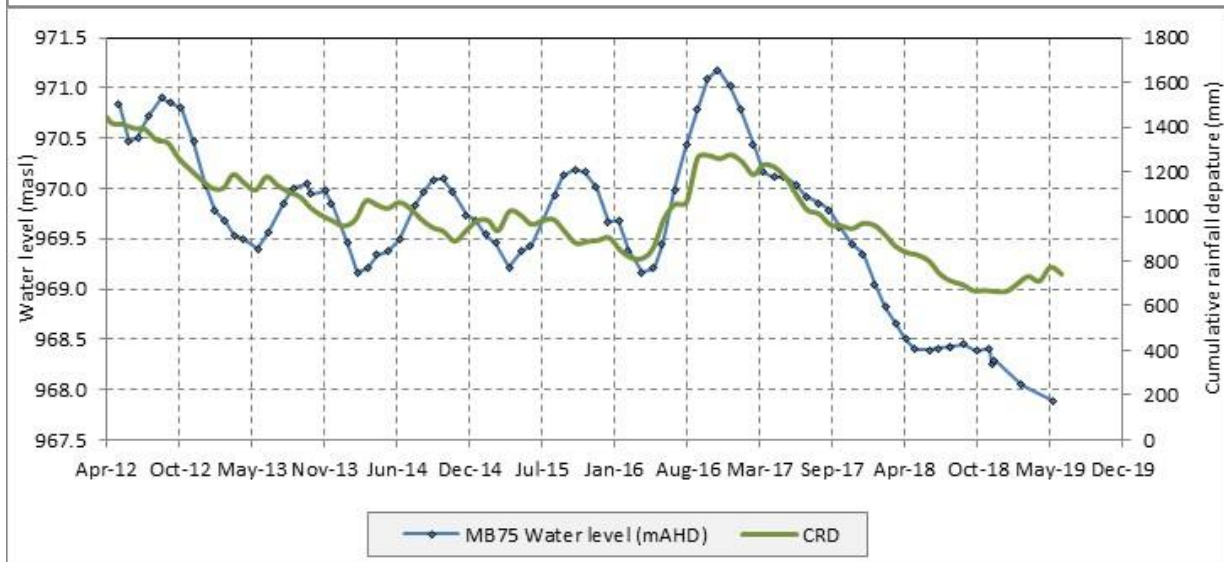
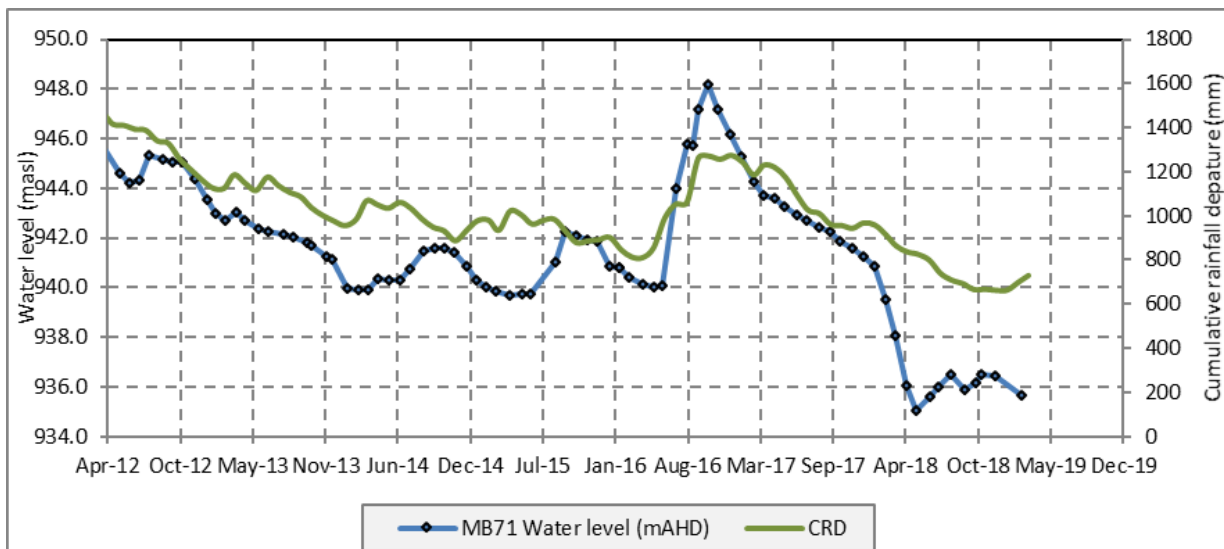
# Cadia East Groundwater



# Cadia East Groundwater



# Regional Groundwater





## Community Relations



# Community Relations Activities



- 29 May - Kinross Earth & Environmental class
- 27 June – Kinross Wolaroi Year 12 Chemistry class
- June – Government Agency tour to review outcomes of the ITRB report on the NTSF Embankment Slump.
- Introduction of Cadia Facebook page – Newcrest Cadia
- Funding of coordinator with OLALC
- Support of Beyond Blue through the introduction of a blue painted franner (mental health front of mind)



# Community Complaints

## July 2019

## June 2019

29th June - Dust Emissions, Errowanbang, 1 Complaint

## May 2019

25<sup>th</sup> May - Dust Emissions, Errowanbang and Panuara, 2 Complaints

13<sup>th</sup> May - Driving Behaviour, Millthorpe,

2<sup>nd</sup> May - Dust Emissions (generally), 2 Complaints

1<sup>st</sup> May - Dust Emissions, Errowanbang, 1 Complaint

# Community Partnership Funding



## FY19 Donations since May

- \$50,000 – Clontarf Foundation (3 year commitment supporting local Indigenous boys)
- \$30,000 – Orange Local Aboriginal Land Council's 'Designing Futures Program'
- \$22,000 – The Smith Family's Learning for Life program (supports local disadvantaged children)
- \$14,000 – Age of Fishes Museum (educational timeline display)
- \$10,000 – Orange Youth Drop In Centre (supporting students in Glenroi community)
- \$10,000 – United Hospital Auxiliary of NSW – Blayney Branch (bladder scanner)
- \$8,500 – Dual car charging station for Spring Hill
- \$8,500 – Dual car charging station for Blayney
- \$8,500 – Dual car charging station for Canowindra



# Community Partnership Funding

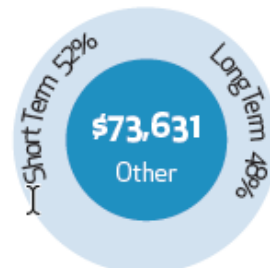
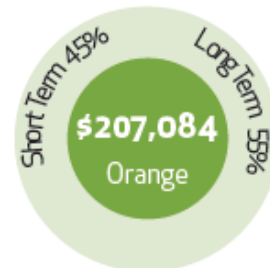
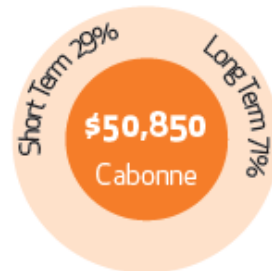
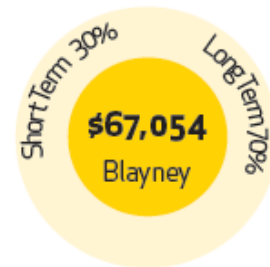
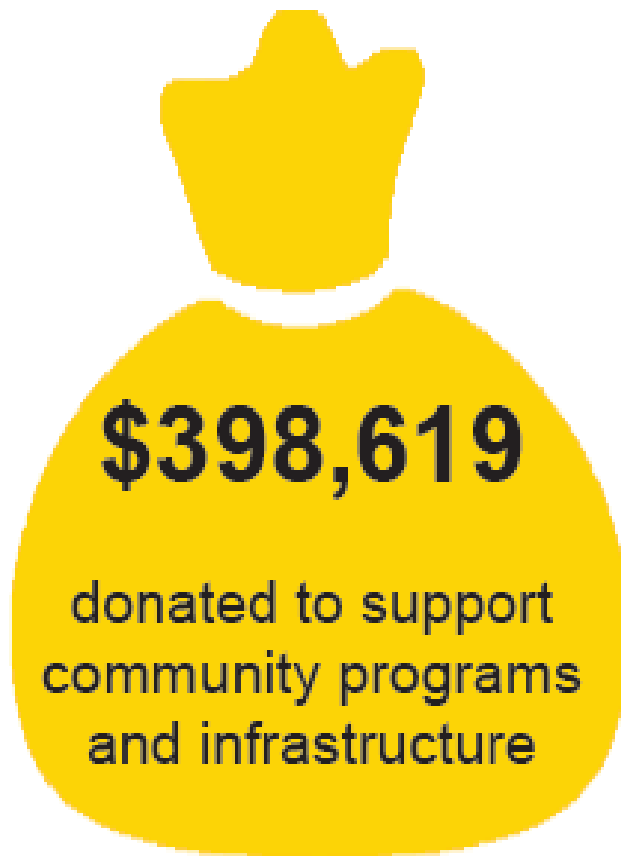


## FY19 Donations since May








- \$5,555 – CanAssist Blayney Branch – donation to match funds raised by the 2019 Cadia Open Day
- \$2,912 – \$4\$ donation to match funds raised for the family of a Cadia employee who passed away
- \$2,912 – \$4\$ donation to match funds raised for the family of a Cadia employee who passed away
- \$2,305 - \$4\$ donation to support a Cadia employee's medical treatments
- \$2,200 – Sponsorship of the 2019 Cabonne Daroo Business Awards
- \$2,000 Headspace Orange
- \$2,000 Salvation Army Red Shield Appeal
- \$2,000 PCYC Orange (music program)
- \$1,500 – Defibrillator for Spring Hill Recreation Ground
- \$1,000 – Lyndhurst Public School (markers for playground)
- \$1,000 – 2019 Molong Show
- \$1,000 – Glenroi Heights Public School (nature play area)
- \$1,000 – Calare Public School (multi-sensory room)
- \$1,000 – Carcoar Down to Earth Garden Expo 2019
- \$1,000 – 2019 Carcoar Show
- \$500 – 2019 Manildra Show

# Community Partnership Funding

## Summary of FY19 Donations



## Donations by Sector

26%		Tourism
21%		Indigenous
12%		Education & Childcare
12%		Health
12%		Community
9%		Disadvantaged
7%		Good Onya & \$4\$

# Cadia District Enhancement Project



## CDEP Governing Committee Meeting

- **June meeting** – 6 June 2019
- **AGM** – 5 September 2019

## Loyalty Program:

- \$10,000 distributed in FY19 for educational grants

## Weeds and Pest Management

- 24 May – Chemical Accreditation course (16 attendees)
- 3 May - Fox Baiting follow-up program (1,115 baits distributed)

## CDEP Improved Telecommunications Project

- Tower stood-up at Angullong
- Tower at Flyers Creek scheduled for early 2020



## *Coming up*

- E-waste program
- August – Field Day ‘Coming out of the drought’
- September – Outdoor movie night screening of Red Dog: True Blue
- October – Cadia Garage Sale and Auction



# MINUTES

Cadia Valley Operations  
Community Consultative Committee



<b>Title</b>	Cadia Community Consultative Committee Meeting	
<b>Meeting Date &amp; Time</b>	11 November 2019 @ 6:15PM	
<b>Chairperson</b>	Bruce Buchanan	St Vincent de Paul
<b>Meeting Attendees</b>	Peter Sharpe	Cadia General Manager
	Merrilyn Tinsley	Cadia HSESR Manager
	Jane Chung	Cadia Approvals & Community Superintendent
	Vicki Hood	Cadia Environment Superintendent
	Jeff Burton	Cadia Environment Specialist
	Matt Armstrong	Senior Social Performance Specialist
	Mark Hodges	Orange City Council
	Chris Eldridge	Cabonne Shire Council
	Kim Masters	Forest Reefs / Flyers Creek Landowner
	Chris Baker	Blayney Landowner
	Geoff Knox	Errowanbang Shire Landowner
<b>Apologies</b>	Mark Dicker	Blayney Shire Council
	Heather Nicholls	Cabonne Shire Council
	David Waddell	Orange City Council
	Graham Brown	Orange City Council Landowner
	Vacant	Cabonne Shire Council Landowner
<b>Venue</b>	Orange Business HQ, 1/34 Sale Street, Orange NSW 2800	
<b>Next Meeting</b>	Monday, 10 February 2020 @ 6:15PM	

## ACTIONS

# MINUTES

Cadia Valley Operations  
Community Consultative Committee



Ref #	Action Items	Who	Due By
1.	Contact details for David Mailer to be provided to Cadia (from previous meeting)	Graham Brown	September 2019
2.	Cadia to confirm the number of bores within the southern bore field, and their respective depths and advise Cadia CCC members.	Jane Chung	November 2019
3.	Cadia to liaise with Chris Baker in regards to concerns associated with the Clontarf Program.	Matt Armstrong	November 2019
4.	Cadia to liaise with Chris Baker regarding 132Kv Powerline close out agreements. Matthew Armstrong to	Matt Armstrong	November 2019
5.	Cadia to communicate to DPIE that the Cadia CCC's strong preference was for a locally based candidate to be appointed as the new Independent Chair	Matt Armstrong	November 2019

## MEETING WELCOME AND INTRODUCTIONS

Meeting Opened: 6:31PM

Bruce Buchanan opened the meeting at 6:31PM and welcomed all attendees.

Apologies for the meeting tendered for Mark Dicker, David Waddell, Heather Nicholls and Graham Brown.

Bruce advised he has rendered his resignation after 21-years as the Cadia CCC Chairperson. Bruce advised he is relocating to the coast to take on a new venture, running a café on the beach. Peter Sharpe extended the kindest of gratitude to Bruce for all his years of service to the community, wishing him all the best for his new venture.

The committee thanked Bruce for his strong leadership as Chairperson which was a significant contributing factor to the Cadia CCC functioning so successfully during his tenure.

## MINUTES OF PREVIOUS MEETING

### BUSINESS ARISING

There was no business arising for discussion from the May meeting minutes.

The minutes from the May meeting were ratified by all committee members.

# MINUTES

Cadia Valley Operations

Community Consultative Committee



# MINUTES

Cadia Valley Operations  
Community Consultative Committee



## SAFETY SHARE

Peter Sharpe referred to a publicised vehicle incident on Escort Way in early November, notifying the committee that the victim was the wife of a Cadia employee, and the incident had a significant impact on the workforce. Peter advised that the mining industry is focused on safety but in some cases, incidents still occur, and their impacts are significant. Peter advised that the workforce, with full support of the senior leadership team, are fundraising in an effort to provide financial support to the family to assist in covering costs.

Merrilyn Tinsley shared a sustainability share whereby the Cadia workforce worked in collaboration with Glenroi Heights Public School to establish a safe and productive play area for their students. Merrilyn advised the project was of great benefit to all involved and looked forward to further projects in 2020.



# MINUTES

Cadia Valley Operations  
Community Consultative Committee



## DISCLOSURE OF INTERESTS

There were no disclosures reported to the committee.

## NEWCREST UPDATE (*PETER SHARPE*)

### SEPTEMBER COMPANY QUARTERLY HIGHLIGHTS

Peter Sharpe provided an overview of Newcrest and Cadia' September quarter results;

#### NEWCREST

- Quarterly gold production of 512koz, down 23% on the previous quarter.
- Quarterly copper production of 25kt, down 23% on the previous quarter.

#### CADIA

- Gold production of 172koz, a reduction of 29% on the previous quarter due to increased downtime.
- Copper production of 18.9kt, a reduction of 25% on the previous quarter due to increased downtime.
- Cadia All-In Sustaining Cost - \$210 per ounce - \$98 higher than the previous quarter predominantly due to lower sale volumes.

### CADIA HIGHLIGHTS

- PC2-3 Works progressing on schedule.
- Downtime:
  - Routine inspections of the Concentrator 1 SAG mill motor identified a preventative maintenance opportunity, the execution of which required extended downtime for the SAG mill
  - The process plant also completed two planned maintenance shutdowns contributing to increased downtime compared
  - During these plant shutdowns, mining operations continued and enabled the accumulation of 1.4mt of stockpiled ore. Cadia remains confident in achieving its FY20 production guidance.
- Site Water Balance improved
  - Net water recycling rates increasing from approximately 70% at the beginning of FY18 to 85% currently
  - Net external water consumption has reduced by approximately 30% over the last 18 months on a per tonne of ore milled basis
- Molybdenum Recovery Plant – Early Works tendered

# MINUTES

Cadia Valley Operations  
Community Consultative Committee



- Cadia Community Residents Meeting – 6th November 2019

## **CADIA VALLEY OPERATIONAL UPDATE (*PETER SHARPE*)**

### **UPDATE - NORTHERN TAILINGS STORAGE FACILITY (NTSF) EMBANKMENT SLUMP (*PETER SHARPE*)**

- Work continues on the Northern Tailings Storage Facility Repair - Concept Study, which is expected to be completed in the December 2019.
- The slope stability monitoring network around the NTSF and STSF has detected no signs of instability. The monitoring network is comprised of:
  - Four Ground Probe radars;
  - Seven Trimble S9 Prism Monitoring stations;
  - Over forty Piezometers;
  - Satellite monitoring;
  - Weekly physical inspections; and
  - 8 Inclinerometers.
- Installation of the Inclinerometer monitoring instruments has progressed, with 8 of the 9 now installed. On track for completion by December 2019.

### **NTSF AND STSF DUST MANAGEMENT – PRODUCT TRIALS**

- Erizon and Rainstorm products have both been performing well. Expected to have full coverage on accessible areas of NTSF by end of November.
  - Multiple re-applications of Rainstorm Gluon to maintain coverage
  - Hydromulch one application to provide coverage
- High wind days in recent weeks has shown that even small areas of untreated surface can result in unacceptable levels of dust
- The Seed trial has sprouted with limited success
- Final tender submissions received; preferred supplier will be announced in November.
- Two specialised consultants identified to partner with Cadia, options include alternate surface treatment products, hydromulching etc. Looking to install trials to prove up options.
- Panther continues to operate and has been approved for 24-hour operations.

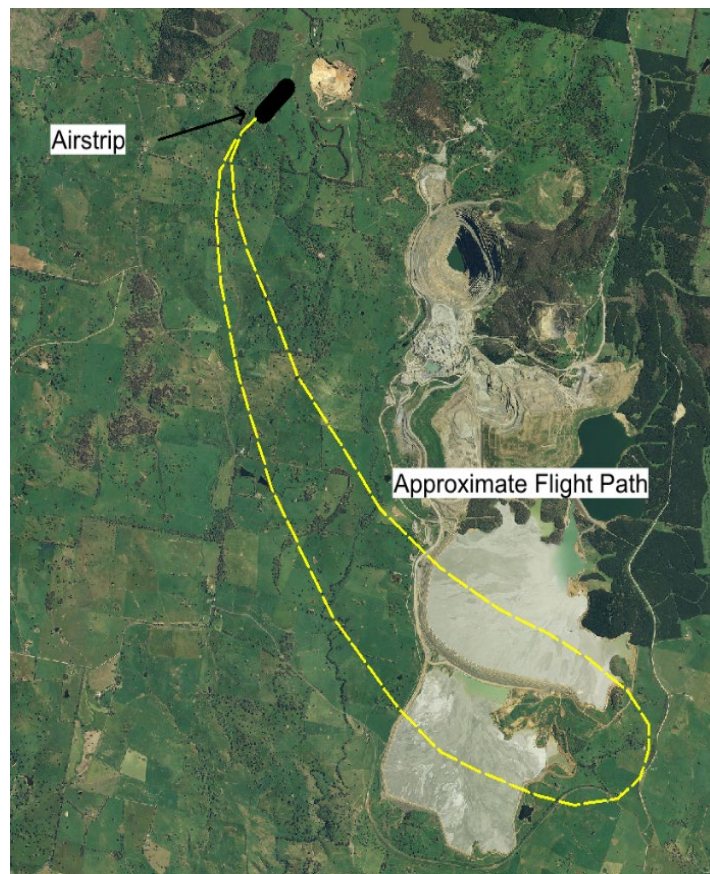
# MINUTES

Cadia Valley Operations  
Community Consultative Committee



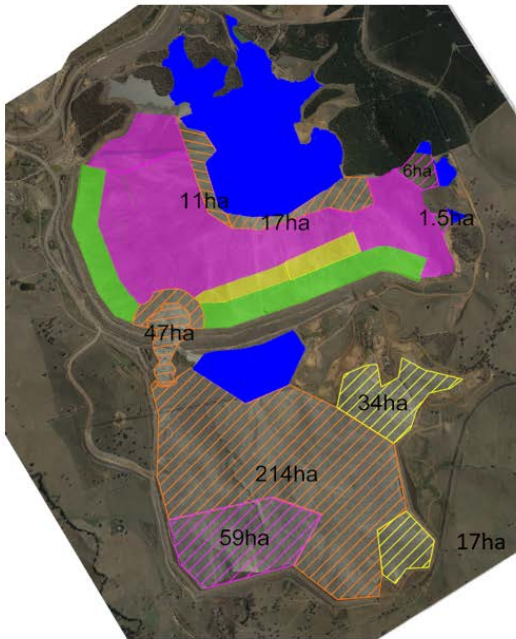
## NTSF AND STSF DUST MANAGEMENT – AERIAL CAMPAIGN

- Cadia commenced aerial application of dust suppressants in late October 2019.
  - Tunbridge Well airstrip used for landings
  - Single small bi plane used to reduce noise and flights per day
  - Aircraft will operate during daylight hours Nov & Dec
- Aerial application on inaccessible areas (decant and slump) on the NTSF prioritised.
- STSF being treated proactively ahead of summer.
- STSF treated on wet and unconsolidated tailings – unsafe for the Panther in some areas
- Community consulted – phone calls and letterbox drop



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Area	Coverage
	Wet areas
	NTSF - Erizon Hydromulch trial area
	NTSF - Rainstorm Gluon trial area
	NTSF - Erizon SuppressX trial area
7.5ha (6ha + 1.5ha)	NTSF - Rainstorm Gluon – Panther application October
28ha (11ha + 17ha)	NTSF - Rainstorm Gluon – Aerial application October
59ha	STSF - Rainstorm Gluon – Panther application
51ha	STSF - Erizon SuppressX – Aerial application November December
47ha	Slump - Rainstorm Gluon – Aerial application October November
214ha	STSF - Rainstorm Gluon - Aerial application November December

**Question:** Are the works on the Southern Tailings Storage Facility to stop the dust? (**Chris Baker**)

**Answer:** We currently have 15% storage remaining in the Southern Tailings Storage Facility; however, we have ceased usage in preference for utilisation of the Pit Tailings Storage Facility. We have stopped prior to meeting capacity in an effort to ensure we are able to deposit if required as a means of dust management, prior to the next lift stage which will create greater capacity. (**Peter Sharpe**)

**Question:** Has the dust been better? (**Chris Baker**)

**Answer:** Yes, much better (**Geoff Knox**)  
By having the full facility covered it has made a difference in managing the dust (**Peter Sharpe**)

**Question:** Have you received feedback as to why the last application did not work?

**Answer:** Dust suppressant has been applied aurally twice, the first application lasted for almost 1-year, however as the tailings dried and cracks appeared across the facility, the dust was being collected from within the cracks where the suppressant had not been directly applied. This was followed by another application however within days of completion a major storm came through and the product integrity was compromised which led to more dust events within weeks. It should be noted that the previous applications of product were not supported by company guarantee. Whereas the two trial products are guaranteed that they can be used and will perform as expected. (**Peter Sharpe**)



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## CADIA MOLYBDENUM PLANT

### OVERVIEW

#### EPCM CONTRACTOR

- Worley has been awarded the Engineer, Procure, Construct & Manage (EPCM) Contract.
- Worley will be the Principal Contractor in accordance with NSW WHS Act.
- Worley will have full responsibility for site access, safety and security on the Moly site.

#### TIMING

- Construction to commence Jan 2020.
- Commissioning of the Plant to commence November 2020.
- Moly production to commence early 2021.

#### WHERE?

- Construction area – adjacent to the Upper Rodds Creek Dam on the eastern side of the project area;
- Access will be via Cadia Road with a spur off to the plant area.

### CONSTRUCTION

#### SITE WORKFORCE

- Worley 15-person site management team.
- Construction crews (Jan to Nov 2020):
  - Peak workforce of approximately 130;
  - Average workforce of approximately 85.
- Workers will be bussed to site to minimise extra vehicle movements.

#### WHAT YOU MAY NOTICE?

- Traffic:
  - Trucks bringing plant, equipment and other materials;
  - Buses entering and leaving at shift change;
  - Minimal additional Light Vehicles.
- Noise – minimal impact to local residents expected, noise will be monitored and must meet current Project Approval criteria for privately-owned land and traffic.
- Lighting – no outdoor lighting above horizontal and managed to avoid off-site impacts.

### OPERATION



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## OPERATIONS:

- 24-hour operations.
- Typical shift crew of 15

## WHAT THE COMMUNITY MAY NOTICE?

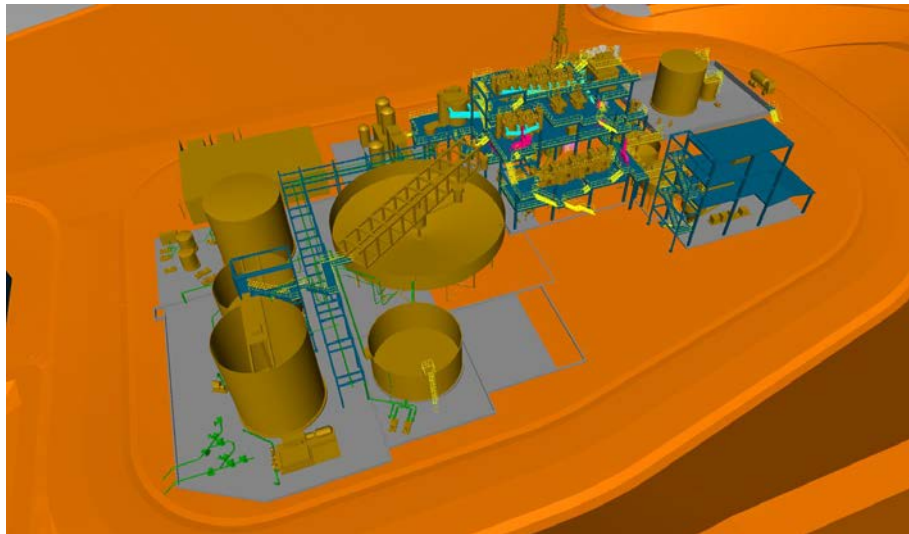
- Traffic:
  - trucks transporting the Moly and bringing deliveries;
  - minimal additional Light Vehicles.
- Noise – minimal impact to local residents expected, noise will be monitored and must meet current Project Approval criteria for privately-owned land and traffic.
- Lighting:
  - lighting should be obscured by trees and landform;
  - no outdoor lighting above horizontal and managed to avoid off-site impacts.
- Odour - H<sub>2</sub>S can be produced at times (rotten egg smell) but will be managed using a scrubber extraction system. The plant is not expected to produce an odour noticeable by the community.
- Community Briefing presented at the recent Residents Meeting (6 Nov 2019)

## DESIGN PLANS



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**Question:** Is Worley an approved Cadia Contractor, have they been used before? **(Chris Baker)**

**Answer:** As the EPSM Worley are fully responsible for the contract. This will keep this process separate from Cadia operations and suppliers, Worley will resource the project including all necessary procurement. **(Peter Sharpe)**

**Question:** Will there be a dedicated access route? **(Kim Masters)**

**Answer:** Yes, it will come off Cadia Road, clearing of trees has been completed and a temporary access road will be utilised for the project and eventually converted to the main entrance for all Cadia operations. **(Peter Shape)**

**Question:** What form is the Molybdenum after extraction? **(Kim Masters)**

**Answer:** It is a fine dry powder like substance. (Peter Sharpe)

**Question:** In what part of the process does the risk of H<sub>2</sub>S arise? **(Chris Baker)**

**Answer:** The scrubber has been added as a second layer of mitigation of any odour release, the H<sub>2</sub>S can occur from a chemical reaction during the separation stages. **(Peter Sharpe)**

**Question:** Considering management of renewables, could a hydrogen power plant be established? **(Chris Baker)**

**Answer:** The intention is to control the pH as a means to avoid creating H<sub>2</sub>S. Hydrogen power plants have not been investigated. **(Jane Chung)**

## CADIA EXPANSION PROJECT

### ANNOUNCEMENT

- Board approved to 'Execution phase' the first of two stages in the Cadia Expansion Project (CXP).
- Stage 1 (dates):

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- Estimated capital cost of \$685m,
- PC2-3 mine development
- materials handling system upgrades,
- initial works to increase plant capacity to 33mtpa.
- Stage 2 (dates):
  - Estimated capital cost of \$180m,
  - further plant expansion to 35mtpa,
  - recovery improvements upgrades.
- CXP would allow for an additional 10 years of mining.
- CXP will be largely managed by Newcrest with additional employment and selected use of contractors.

## APPROVALS

- Current Cadia East Project Approval allows for:
  - Operations until 30 June 2031
  - Processing of 32 million tonnes of ore in a calendar year
- Modifications to the Cadia East Project Approval will have to be granted for some components.
- Regulatory Approval processes won't commence until the NTSF repair approvals.
- Some works can commence under the current Project Approval (e.g. development of PC 2-3).
- A number of other key studies will be conducted including:
  - mining-induced seismicity,
  - water reliability,
  - noise,
  - air quality,
  - road transport,
  - Heritage and
  - biodiversity.

## WORKS

CXP will deliver:

- 5 years work for underground mining,
- 33km of new tunnels,
- Completion of PC2-3 (next to existing cave & using same subsidence) with first production in FY23,

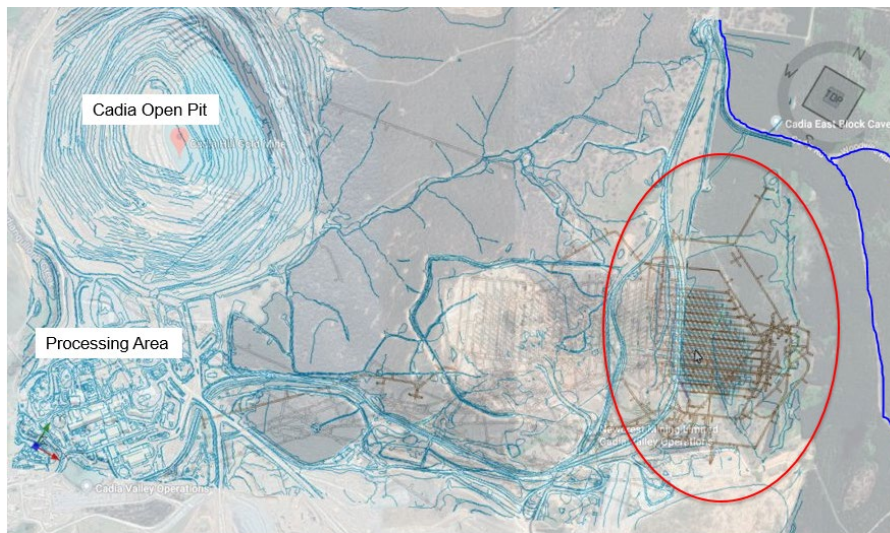
# MINUTES

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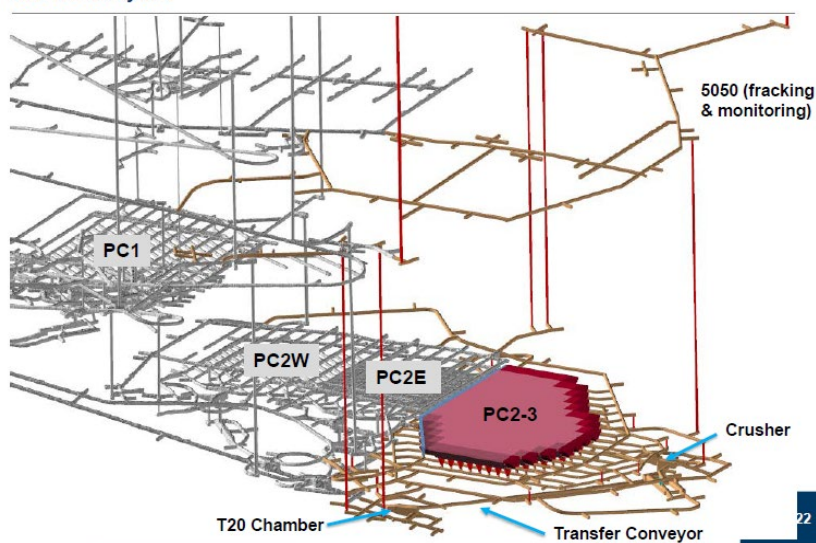
- New UG crusher and conveyors,
- Process Plant upgrades to:
  - de-bottle,
  - accommodate harder ore and
  - improve recovery,
- Production rate increase capacity.

## LOCATION



## MINE DESIGN

### Mine Design Isometric Layout





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- Comment:** A lot of residents didn't engage early-on with the mine as they were not affected directly by a lot of the early problems arising with mining. However, at the time of implementing the district enhancement project residents were given a lot more opportunities to learn more about mining, however, did not have historical context to rely on for their own understandings. **(Chris Baker)**
- Question:** Is there any upcoming opportunities to gauge engagement and feedback from residents? **(Mark Hodges)**
- Answer:** Yes, we have an upcoming sentiment survey which is done every three-years and will be undertaken in early 2020. **(Matthew Armstrong)**
- Question:** Will the lifts for the tailings storage facilities and increased production align and be proposed to be modified simultaneously? **(Chris Baker)**
- Answer:** We will try and get an additional lift and an increase in production. However, production and mine life will be submitted after the Northern tailings Storage Facility repairs **(Peter Sharpe)**. It is likely that any increase to processing rates and extension to mine life would be conditional on the Northern tailings Storage Facility repairs **(Jane Chung)**.
- Question:** Is Cadia Road going to be affected? **(Mark Hodges)**
- Answer:** The original modelling indicated Cadia Road would not be affected by subsidence. We have additional data which we can now import into our modelling and review any changes. It is expected modelling will be reviewed in late 2019 and should any projections change; councils will be consulted. **(Peter Sharpe)**
- Question:** Is the new cave the same distance as the others? **(Kim Masters)**
- Answer:** It is about 25m lower than PC-2E. **(Peter Sharpe)**

## CADIA 20-25 MW SOLAR FARM PROJECT

- Feasibility Assessment commenced, including Environmental Assessments.
- Approval via regional development pathway (assessment by Council and Joint Regional Planning Panel).
- Initial Community Consultation and Blayney Council Briefing undertaken.
- Community feedback focused on concerns related to:
  - Land value;
  - Visual impact;
  - Loss of productive agricultural land; and
  - Traffic impacts.
- The findings from the Draft Environmental Assessments will be presented to the Community at a meeting on 28 November 2019, including:
  - Biodiversity,
  - Cultural Heritage,



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- Visual and Glare,
- Noise and Vibration,
- Road Transport.

## SITE SELECTION

- Located close to CVO – minimise transmission losses and cost of constructing transmission infrastructure.
- Relatively cleared site – minimise vegetation losses.
- Relatively flat ground required for solar farm.
- Potential impacts and full site justification/consideration of alternatives to be addressed in the Statement of Environmental Effects.



## PRELIMINARY TECHNICAL DESIGN

- Single-axis tracking system
- PV Panels: 375 W Trina Solar
- Registered output power: approx. 20-25 MW.
- 33 kV electricity transmission line to CVO including crossing of Cadiangullong Creek.
- DC to AC Inverters.

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**Question:** How big could this project get, if it keeps going and is successfully expanded?  
(**Geoff Knox**)

**Answer:** At this stage we do not know. (**Peter Sharpe**)

**Comment:** Following initial community consultation a number of matters were raised for consideration, all of which have been relayed to the project team for consideration as designs and plans progress (**Jane Chung**)

## APPROVALS UPDATE (JANE CHUNG)

### MODIFICATION 13 – COMPLETION OF TAILINGS DEPOSITION IN CADIA HILL

- Modification 13 submitted in September 2019;
- DPI&E placed Statement of Environmental Effects on public display;

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- Comments received from EPA, Resource Regulator and OEH regarding assessment reports.
- No public submissions were received.
- Currently preparing response to submissions.

## OTHER ENVIRONMENTAL APPROVALS

### **SOUTHERN BORE FIELD**

- Test bore applications approved for proposed southern bore field.
- Construction of test bores and associated monitoring bores has been completed.
- Pump testing will be conducted on bores to determine sustainable yield information.
- Test pumping information will be used to develop a groundwater assessment required for a project approval modification.
- Community Consultation will be undertaken after the groundwater assessment has been completed.





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- Question:** Do you have the technical information regarding bore depths, ground sub terrain and water quality, specifically the depths and how many of each? (**Chris Baker**)
- Answer:** We will test for yield and water quality, at this stage all we have is the bore log. The depths range from 30 – 60 meters, however we will need to confirm quantities of each and advise. (**Jane Chung**)
- Question:** Are all the bores around the tailing's storage facility? (**Mark Hodges**)
- Answer:** Yes (**Jane Chung**)
- Question:** Did you get no return from CB13? (**Chris Baker**)
- Answer:** Yes, we were advised that the reliability of the east was far less than in comparison to the west. (**Jane Chung**)
- Question:** I thought the bores were in response to the embankment slump? (**Mark Hodges**)
- Answer:** We are mainly testing chemistry to determine if there is tailings water which can be reused in production but cannot advise until testing is fulfilled. (**Peter Sharpe**)
- Question:** Is there a project plan to install the SAG mill motor? (**Mark Hodges**)
- Answer:** It is expected to start in February 2021, as it will take almost 12-months of preparatory works as Con 1 will not be operational for 20-weeks. The plan will also require the roof of the SAG mill to be removed, the largest crane in the world to be delivered and experts from Germany to supervise activities. (**Peter Sharpe**)
- Action:** Jane Chung to confirm the number of bores within the southern bore field, and their respective depths and advise Chris Baker.

## ENVIRONMENT UPDATE (**VICKI HOOD**)

### INCIDENTS AND ENVIRONMENT MONITORING

#### REPORTABLE INCIDENTS

- Nil reportable incidents.

#### ATTENDED NOISE

- Compliance monitoring was not scheduled for the quarter
- The next round is planned for mid-late November 2019

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## UNATTENDED NOISE (CVO NOISE TRAILER)

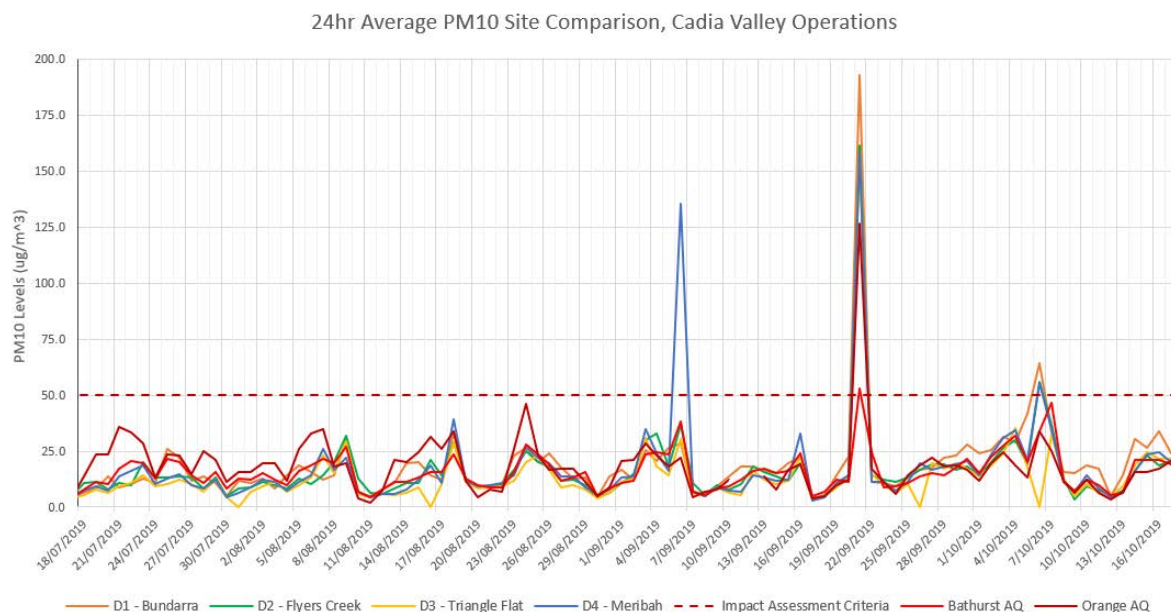
- There were several noise exceedances recorded in August 2019 due to Cadia operations
  - Exceedances at Warrengong

## BLASTING

- No vibration and overpressure exceedances were recorded for the quarter.

## AIR QUALITY (JULY - OCTOBER 2019)

- Monitors surrounding the mine generally reflected background air quality levels recorded at Orange and Bathurst.
- There were three events above PA criteria, two of which were regional dust events, and one other that is being investigated through Cadia's air quality consultant (Advitech).



## ENVIRONMENTAL MANAGEMENT

- Old Blayney Dewatering Facility (Remediation)
  - Preparation for pumping return water direct from the Cadia Dewatering Facility - Complete.
  - Tie in scheduled for December shutdown.
  - Demolition works expected to commence January 2020.
- Commercial harvesting of Kangaroos re-recommended in June 2019.
  - Total FY20 Numbers (year to date) – 303



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- Feral pigs - 7
- Blayney Copper Mine (Rehabilitation)
  - Development Application being prepared.
- Cadia Dewatering Facility
  - Drainage improvement works – design finalised.
  - Water Management Plan and Rehabilitation Strategy updated to reflect changes. Approval pending

***Peter Sharpe departed the meeting at 7:41PM due to ill health and did not return***

**Question:** Is there a build-up of copper in some areas? (**Chris Baker**)

**Answer:** We have found it in two ponds, working on capturing and returning to Cadia. (**Jeff Burton**)

## SITE WATER BALANCE

- Cadia currently had an estimated 8,380 ML of water on site on 30 September 2019, with the majority now held in Rodds Creek Dam
- Water recovery from the pit has significantly improved and reliable performance of this system has been achieved.
- Cadia is continuing to pursue a number of on-site water supply options and mitigation activities.
  - Changes to Cadiangullong Dam riparian Release Conditions
  - Operation of current approved bore field
  - Investigation into an expanded bore field
  - Extraction of accumulated water from the (backfilled) Cadia Extended pit

**Question:** Are all current bore fields in operation? (**Chris Baker**)

**Answer:** Yes, still operating, but very little return. (**Jeff Burton**)

## CADIANGULLONG DAM

- Approval to temporarily cease riparian releases was granted by DI-Water on 8 April 2019 and releases were subsequently stopped. Despite stopping the releases, small flows are continuing in Cadiangullong Creek at a number of locations due to groundwater and tributary inflows.
- Approval was granted until 30 September 2019 when releases were recommenced.
- During the period where releases were stopped, habitat monitoring was undertaken to maintain healthy conditions for the resident fish and platypus.

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- Cadia is currently applying to DI-Water to cease riparian releases until June 30 2020 due to the ongoing drought conditions. Cadia will continue to monitor the creek habitats and release water when necessary to maintain habitat condition.
- This information is available on the Cadia Valley website.

**Question:** Have you been releasing into the inflow releases? (**Chris Baker**)

**Answer:** We do not have the pulse releases at the same time as the inflows. (**Jane Chung**)

## WATER STORAGE & EXTRACTION

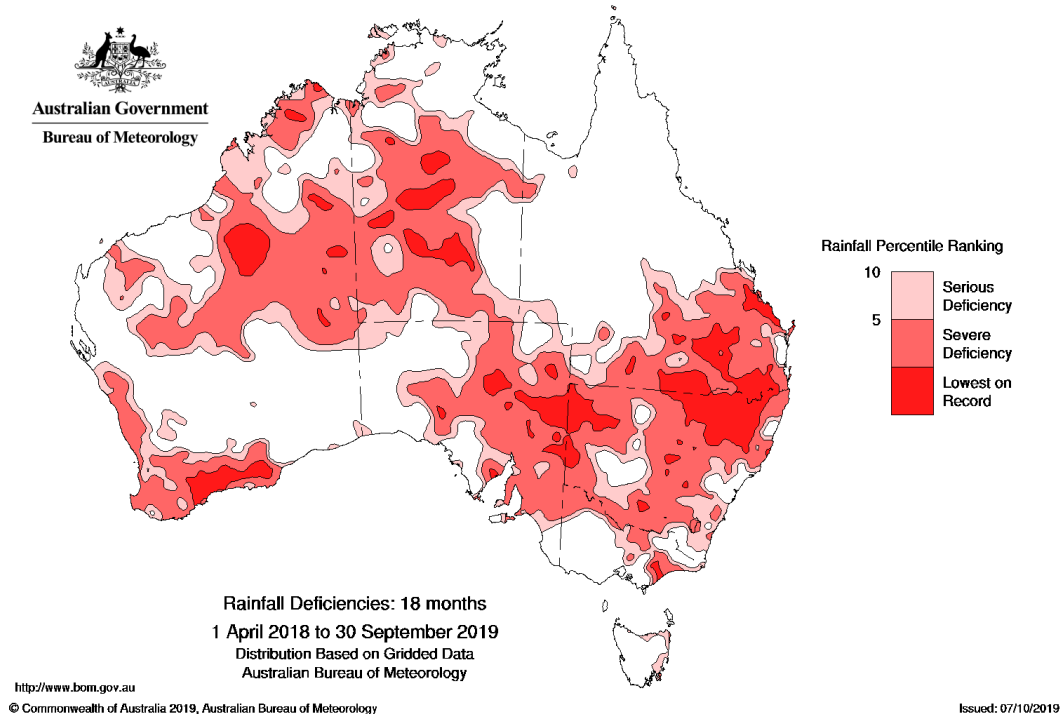
Storage (30 Sep 2019)	Storage (ML)	Percentage
Cadiangullong Dam	661	15%
URC Dam	4,469	38%
Pit	~2,500 (estimated)	
Total	~8,380 (estimated)	Incl 750ML Cadia Extended
	Q1 FY20 Extraction (ML)	Entitlement (ML)
Cadiangullong Dam Extraction	48.1 (estimate)	-
Flyers Creek	4.4 (estimate)	
Cadia Creek	2 (estimate)	
Runoff (Copper Gully Creek & Rodds Creek)	<1 (estimate)	
Cadiangullong Total	82.4 (estimate)	4,200
	FY 19 Extraction (ML)	Licence Share (ML)
Belubula general security	2,027 + 1,878 trades	4080
Belubula Supplementary	488.7	3,125
Lachlan Fold Belt Groundwater (bores)	56.9	371
Lachlan F.B. Groundwater (mine dewatering)	659	931
Orange Basalt Groundwater (mine dewatering)	82.1	286

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## REGIONAL RAINFALL – SIGNIFICANT DEFICIT

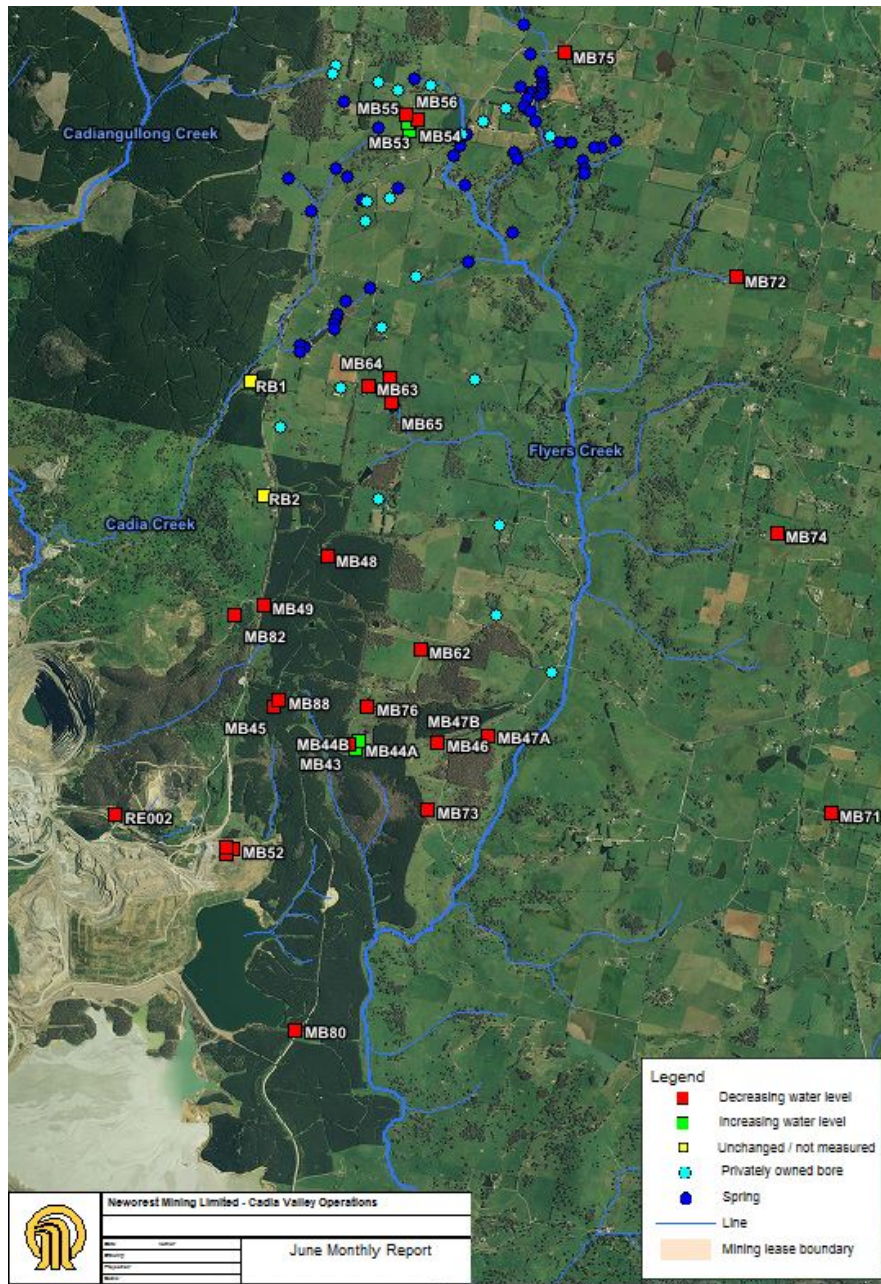


## CADIA EAST GROUNDWATER

- Continued local and regional groundwater level decline due to continue below average rainfall and no recharge events
- Between July and October the Bureau of Meteorology recorded 128.2 mm of rain at the Orange Airport weather station which represents approximately 58% less rain than the long term 23 year average of 303.3 mm.
- Cadia site weather stations at Southern Lease boundary and Ridgeway recorded a combined average of 114.8 mm
- Cumulative Rainfall Departure (CRD) was negative for seven of the last twelve months.

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- Groundwater throughout the district continued to drop in response to CRD.
- Rainfall has continued to be well below averages, delivering no recharge events.

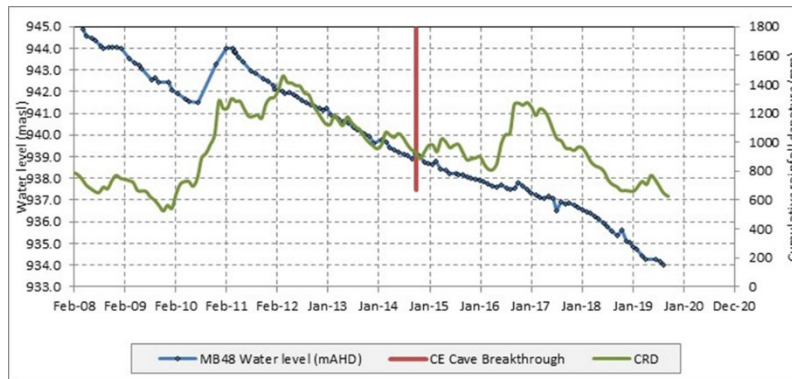


# MINUTES

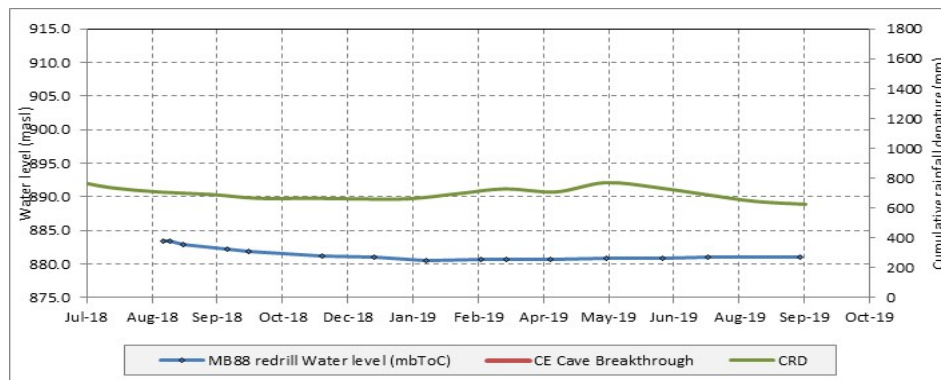
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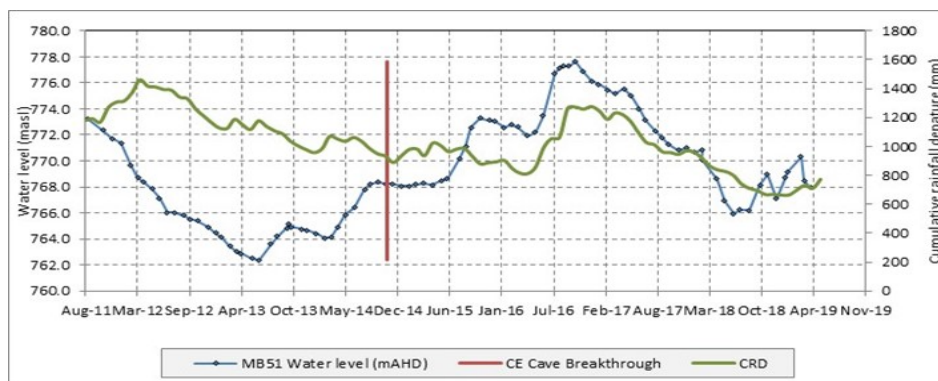
MB48 has been steadily declining for some time and remains lower than previous monitoring records. Previous advice received from Australasian Groundwater and Environmental Consultants indicates that the distance of the bore from mining operations indicates that the decline is likely related to catchment and climate related issues such as pine plantations and the lack of recharge events. This is further supported by the absence of material recharge events observed at this bore since late 2010.



MB45 now decommissioned and replaced with MB88.



MB51 closest bore to subsidence zone is holding and not rapidly declining. Potentially influenced by proximity of Rodds Creek Dam and the SWRD.



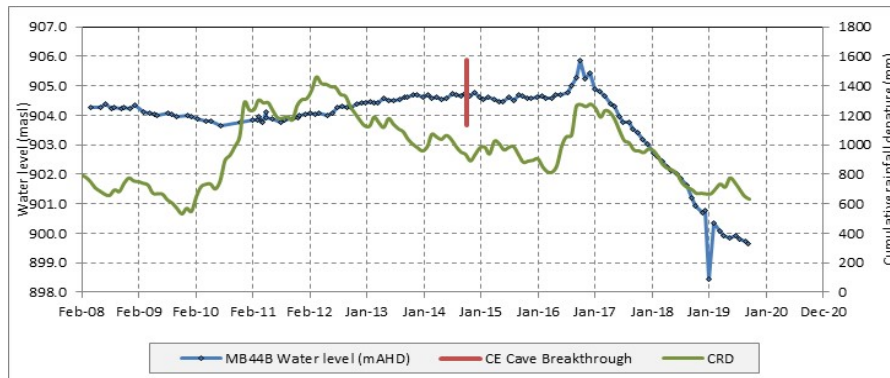


# MINUTES

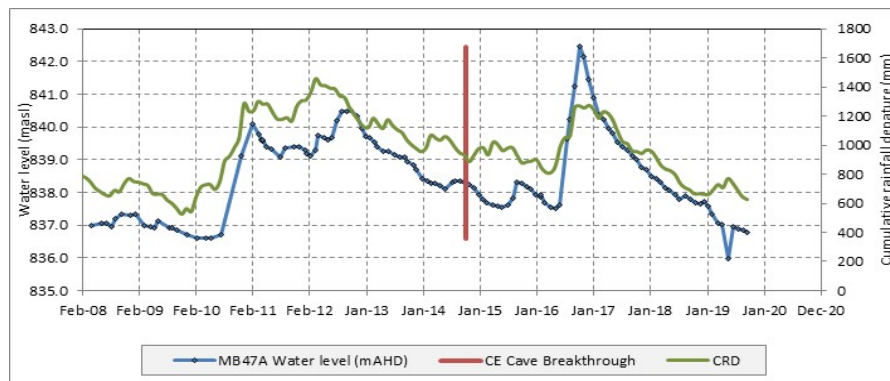
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MB44B has been declining for some time and has now dropped to below previous monitoring records. The likely cause of decline may be due to several factors including: loss of groundwater as baseflow loss to Flyers Creek, lack of recharge events (drying conditions, influence from pine plantations). Based on the locality of MB44B, influence from mining operations is unlikely.

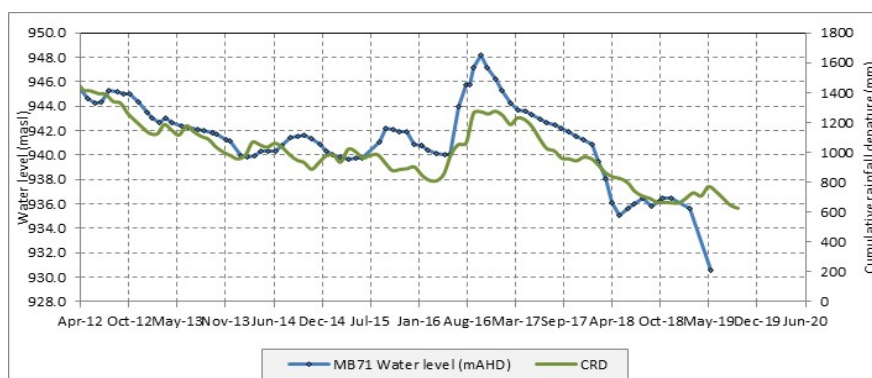


MB47 is generally following the cumulative rainfall departure curve with recent declines related to low rainfall climatic conditions.



## REGIONAL GROUNDWATER

MB71 – Forest Reefs, decline is attributed to local extraction / pumping of production bore in the vicinity

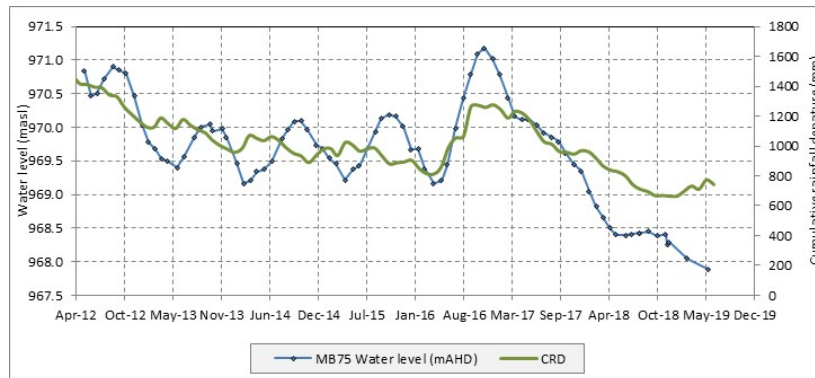


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MB75 – Bulls Lane



## COMMUNITY RELATIONS (MATT ARMSTRONG)

### COMMUNITY RELATIONS ACTIVITIES

- 27 August – James Sheahan Year 11 Geography & Business Studies x 2 tours
- 29 August – Molong Central School Senior Business Studies
- 9 September – Tour for local resident
- 20 September – Sponsorship and attendance at the Women's Cancer Risk Management Expo
- 9 October – Tour for Federal Minister for Resources, the Hon Matt Canavan
- 17 October – Cemetery visit for ancestors
- August – PitchIt event through NSW Health
- Development of Cadia Accommodation Strategy through Western Research Institute
- 



# MINUTES

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## COMMUNITY COMPLAINTS

### OCTOBER 2019

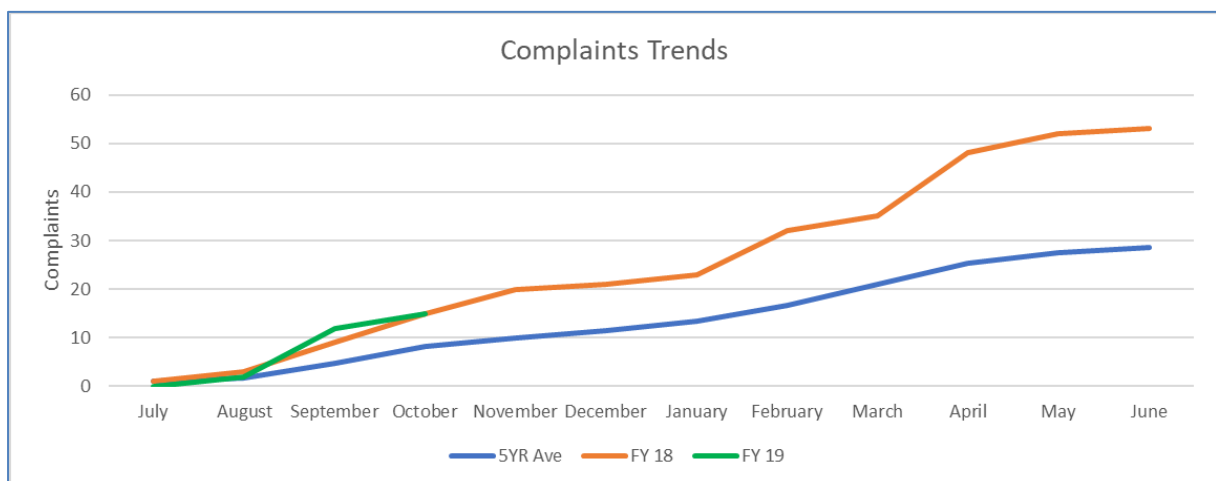
- 25th Oct - Dust Emissions (event), Errowanbang, 1 Complaint
- 4th Oct - Dust Emissions (event), Errowanbang, 1 Complaint

### SEPTEMBER 2019

- 10th Sept - Dust Emissions (general), Errowanbang, 1 Complaint
- 6th Sept - Dust Emissions (event), Errowanbang & Flyers Creek, 5 Complaints
- 4th Sept - Dust Emissions (event), Errowanbang & Flyers Creek, 2 Complaints
- 3rd Sept - Dust Emissions (event), Errowanbang, 2 Complaints

### AUGUST 2019

- 7th August - Dust Emissions (event), Errowanbang & Flyers Creek, 2 Complaints



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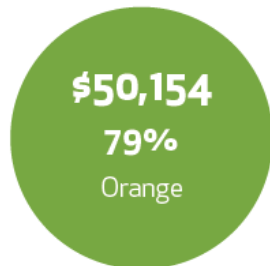
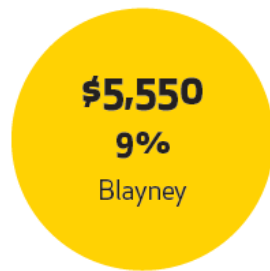
## COMMUNITY PARTNERSHIP FUNDING - FY19 DONATIONS SINCE MAY 2019

### **FY20 DONATIONS SINCE AUGUST**

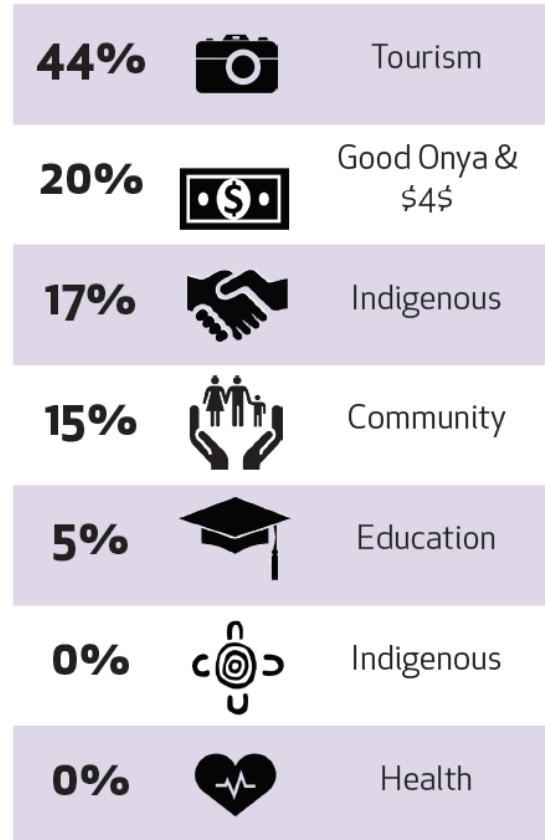
- \$27,500 – Orange360 Village Tourism Strategy
- \$5,000 – Brothers4Recovery providing support around drugs, alcohol and mental health
- \$5,000 - \$4\$ donation to match funds raised by Cadia workforce to support a colleague's family
- \$4,434.26 – \$4\$ donation to match funds raised by Cadia workforce to support a colleague's family
- \$3,720 – Australian Red Cross Blood Service, Orange Donor Centre (\$10 for the 372 donations made by Cadia workforce)
- \$2,000 – Fusion Australia supporting disadvantaged groups
- \$2,000 – Bowen Brekkie Club
- \$2,000 – Orange Regional Suicide Prevention Network
- FY20 Donations since August
- \$1,500 – Millthorpe Garden Ramble
- \$1,500 – Neville Public Hall
- \$1,500 – Neville Agricultural Show
- \$1,000 – Bloomfield Hospital Auxiliary
- \$1,000 – Cudal Public School
- \$1,000 – St Joseph's Primary School Blayney
- \$1,000 - \$4\$ donation for the McGrath Foundation
- \$1,000 – Canowindra Community Reading Day
- \$1,000 - \$4\$ donation for the Black Dog Institute
- \$1,000 - \$4\$ donation for Dolly's Dream

# MINUTES

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## Donations by Sector



**Comment:** Chris Baker raised concerns regarding the Clontarf Program, Mathew Armstrong agreed to discuss in further detail separate to the meeting.

**Action:** Matthew Armstrong to liaise with Chris Baker in regards to concerns associated with the Clontarf Program.



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## CDEP

### **CDEP GOVERNING COMMITTEE MEETING**

- AGM – 5 September 2019
  - ~ Chair – Florence Ovenden
  - ~ Vice Chair – Mike Retallack
  - ~ Treasurer – Edwina Crossing
- Next meeting – 21 November 2019 (all CDEP members invited to attend and review ideas)

### **LOYALTY PROGRAM**

- 13 September - Outdoor movie night
- 7 November – Free First Aid Course
- 8 November – Educational grants due
- 30 November – Good Onya applications due
- Currently seeking expressions of interest for Forklift course, Skidsteer course, Drum Muster and mental health awareness.

### **WEEDS AND PEST MANAGEMENT**

- 2020 – Weed Field Day focusing on farm technology
- 2020 Weed Calendar being developed

### **TELECOMMUNICATIONS PROJECT**

- 23 September - Panuara tower officially launched
- 2020 - Flyers Creek tower

### **ROADSIDE WASTE COLLECTION SERVICE**

- Small cost increase for residents from November 2019

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## GENERAL BUSINESS

### CABONNE LGA REPRESENTATIVE

Matt Armstrong advised that five people had expressed an interest in becoming the Cadia CCC's Cabonne LGA Representative. Information packs were sent to each each of the interested parties. Two applications were received.

The committee discussed the two applications for the Cabonne Representative vacancy and agreed that both candidates would make a good addition to the Cadia CCC.

The committee agreed to recommend Bob Meyenn.

### REPLACEMENT OF INDEPENDENT CHAIR

Matt Armstrong advised that he had advised Planning and Assessment - Department of Planning, Environment and Industry (DPIE) that the Cadia CCC Independent Chair would need to be replaced.

Matt Armstrong advised that:

- DPIE had implemented a new system to appoint Independent Chair's to CCCs using a pool of pre-selected candidates,
- the appointment of the new Independent Chair as at the discretion of DPIE,
- he had advised DPIE that the Cadia CCC was likely to prefer a local person to be appointed as the new Independent Chair
- asked DPIE that if there was more than one suitable candidate, if the Cadia CCC could consider the candidates and put forward a recommendation.

The committee agreed that a local person would be the strong preference

**Action:** Matthew Armstrong to provide follow-up communication to DPIE to advise that the Cadia CCC's strong preference was for a locally based candidate to be appointed.

### MEETING MINUTES

The committee discussed and agreed to continue the existing process to distribute minutes by email and post following the meeting; and if no objections are raised within 10-days they are accepted as a true and accurate reflection of the meeting and distributed via the Cadia website for public access.

### 132KV POWERLINES

# MINUTES

Cadia Valley Operations  
Community Consultative Committee



Chris Baker queried if all powerline agreements have been finalised. Matt advised all except for some tree lane planting which is being held over until Spring 2020. Chris advised that there are actions outstanding that he is aware of which require discussion. Matt advised Chris that they would discuss further separate to the meeting.

**Action:** Matthew Armstrong to liaise with Chris Baker regarding 132Kv Powerline close out agreements.

## CLOSED

Bruce Buchanan closed the meeting at 8:33PM

## NEXT MEETING

The next meeting of the Cadia Community Consultative Committee will be held on Monday 10 February 2020. Please place it the diary.

# MINUTES

Cadia Valley Operations  
Community Consultative Committee



<b>Title</b>	Cadia Community Consultative Committee Meeting	
<b>Meeting Date &amp; Time</b>	2 February 2020 @ 6:15PM	
<b>Acting Chairperson</b>	Mark Hodges	Orange City Council
<b>Meeting Attendees</b>	<p>Aaron Brannigan     Acting General Manager</p> <p>Jeff Burton             Acting Approvals &amp; Community Superintendent</p> <p>John Ford                Acting Environment Superintendent</p> <p>Matt Armstrong        Senior Social Performance Specialist</p> <p>Daniel Drum             Blayney Shire Council</p> <p>Heather Nicholls       Cabonne Shire Council</p> <p>Graham Brown         Orange City Council Landowner</p> <p>Kim Masters             Forest Reefs / Flyers Creek Landowner</p> <p>Bob Meyenn             Observer</p>	
<b>Apologies</b>	<p>Mark Dicker             Blayney Shire Council</p> <p>David Waddell           Orange City Council</p> <p>Geoff Knox              Errowanbang Shire Landowner</p> <p>Peter Sharpe             General Manager</p> <p>Merrilyn Tinsley        HSESR Manager</p> <p>Jane Chung               Approvals &amp; Community Superintendent</p> <p>Vicki Hood               Environment Superintendent</p> <p>Chris Baker              Blayney Landowner</p> <p>David Johnson          Chairperson</p>	
<b>Venue</b>	Orange Business HQ, 1/34 Sale Street, Orange NSW 2800	
<b>Next Meeting</b>	Monday, 11 May 2020 @ 6:15PM	

# MINUTES

Cadia Valley Operations  
Community Consultative Committee



## ACTIONS

Ref #	Action Items	Who	Due By
1.	Cadia to confirm the number of bores within the southern bore field, and their respective depths and advise Cadia CCC members.	Jane Chung	November 2019
2.	Investigate the dust event from Saturday 8 February 2020, observations indicate that sections that have not been suppressed may still be lifting in windy condition.	Matthew Armstrong	May 2020
3.	Arrange a site tour for Bob Meyenn and David Johnson.	Matthew Armstrong	May 2020

## MEETING WELCOME AND INTRODUCTIONS

Mark Hodges opened the meeting at 6:23PM and welcomed all attendees.

Apologies for the meeting tendered for Mark Dicker, David Waddell, Peter Sharpe, Merrilyn Tinsley, Jane Chung, Vicki Hood, Chris Baker, Geoff Knox and David Johnson.

***Graham Brown / Heather Nicholls***

***Carried***

The committee welcome Bob Meyenn. Bob introduced himself to the committee as the successfully appointed Cabonne Landowner Representative, pending Department of Planning, Industry and Environment (DPIE) ratification.

## MINUTES OF PREVIOUS MEETING

The minutes of the previous meeting held on Monday, 11 November 2019 were approved as a true and accurate reflection of the meeting.

***Jeff Burton / Mark Hodges***

***Carried***

## BUSINESS ARISING

### MINUTES OF THE MEETING APPROVAL

Mark Hodges led the committee discussion to confirm that altered process for meeting minutes is that watermarked draft copy is uploaded for public viewing once distributed and approved by members following the meeting. The minutes are then ratified at the next meeting and the watermark removed from publicly available records.



# MINUTES

Cadia Valley Operations  
Community Consultative Committee



## NEW CHAIRPERSON

Matt Armstrong confirmed David Johnson has been formally appointed as the new Independent Chairperson by DPIE. David was unable to attend the meeting due to a work commitment that was made prior to his appointment but will attend the May meeting.

## ACKNOWLEDGEMENT OF COUNTRY

Mark Hodges delivered an acknowledgement of country.

## SAFETY SHARE

Jeff Burton advised he was called via the RFS to a hay shed fire. Bales were placed up against the doors and during repairs welding sparks fell onto the bales and caught fire. Whilst not a great deal of fire, many flammable items caught alight from a spark. Hot works or machinery that can cause sparks should not be undertaken close to combustible materials and workers should be prepared to douse embers if needed.

## DECLARATION OF INTERESTS

Kim Masters disclosed a pecuniary interest related to the Flyers Creek telecommunications tower. The committee acknowledged the disclosure.

## PRODUCTION HIGHLIGHTS

Aaron provided an overview of the Newcrest and Cadia highlights for the December 2019 quarter, noting Cadia had one of its most successful quarters.

### Production Highlights



#### December Quarter:

##### Newcrest

- Gold production of 551koz, up 8% from the September 2019 quarter
- Copper production of 38kt, up 52% from the September 2019 quarter

##### Cadia

- Gold production of 240koz was its second highest quarterly gold production result on record and 40% higher than the prior quarter, driven by increased mill utilisation and the prior quarter being impacted by two planned shutdowns and maintenance on the SAG motor mill
- Copper production of 26.4kt, a 33% increase on the previous quarter due to increased mill utilisation and a slight increase in grade.
- Cadia All-In Sustaining Cost - \$142 per ounce - \$68. This was predominantly due to higher sales volumes resulting from the higher gold and copper production and comparatively lower maintenance costs.

# MINUTES

Cadia Valley Operations  
Community Consultative Committee



**Question:** The all-sustaining cost at \$142 per ounce is that in comparison to the current estimated cost of gold at \$1500 per ounce? **(Bob Meyenn)**

**Answer:** Yes, Cadia is the largest underground mine in Australia and one of the larger in the world, in addition to be one of the lowest costs based upon our mining method. **(Aaron Brannigan)**

## PROJECT MODIFICATIONS AND APPROVALS UPDATE

### NORTHERN TAILINGS STORAGE FACILITY EMBANKMENT SLUMP

Aaron provided an overview of the current status of the Northern Tailings Storage Facility Embankment Slump Repairs.

#### **Northern Tailings Storage Facility (NTSF) Embankment Slump**



- Work continues on the Northern Tailings Storage Facility Repair - Concept Study was completed in December quarter, with the recently commenced Pre-feasibility study to be completed in the first quarter FY21. The slope stability monitoring network around the NTSF and STSF has detected no signs of instability. The monitoring network is comprised of:
  - Four Ground Probe radars;
  - Seven Trimble S9 Prism Monitoring stations;
  - Over forty Piezometers;
  - Satellite monitoring;
  - Weekly physical inspections; and
  - 8 Inclinometers.



### DUST MANAGEMENT

Aaron provided an overview of the current dust management for both the Northern and Southern Tailings Storage Facilities.

# MINUTES

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## NTSF and STSF Dust Management – Update



- Erizon selected as preferred supplier for dust management services and product supply for NTSF.
  - Focus is on maintaining a cover of 'Hydromulch' across the NTSF for two years.
  - Erizon will use a specially designed low ground pressure trailer and tractor to enable access across the NTSF.
  - Erizon to have an on-site presence in February with an initial program of work to apply 90,000 bales of mulch.
- Erizon's SupressX will continue to be used on the STSF – Panther and aerial application when required (wet areas).
- Plane is currently grounded due to a 'forced landing'. No confirmed date for re-commencing the aerial campaign.
- Untreated areas are:
  - 38 Ha of the STSF
  - Freshly exposed decant areas on NTSF

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***Kim Masters arrived at the meeting and remained until the meeting closed.***

**Question:** There was a lot of dust on Saturday afternoon from the northern tailings, it was lifting in rows, appeared like strips lifting. **(Kim Masters)**

**Answer:** We will investigate and obtain additional information. **(Matthew Armstrong)**

## MOLYBDENUM PLANT

Aaron Brannigan provided an update on the Molybdenum Plant construction.

## Cadia Molybdenum Plant – Update



### Engineering and Design

- 50% of the way through engineering and design works



### Construction

- Site preparation works completed (access, pad and benching)
- Mobilisation for Construction - Early Works commenced
  - Deliveries of building materials commenced
  - Personal will be bussed to site to reduce vehicle movements
  - Traffic management signage in place – new temporary intersection (construction access)



### Commissioning

- Moly first production still scheduled to commence Calendar Year 2021
- Full load commissioning FY22

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## MODIFICATION 13 AND SOUTHERN BORE FIELD

Aaron Brannigan provided an overview of the most recent approvals.

# MINUTES

Cadia Valley Operations  
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## Approvals Update



### Modification 13 – Completion of Tailings Deposition in Cadia Hill

- Mod 13 approval received in December 2019.

### Southern Bore Field

- Test bore applications approved for proposed southern bore field.
- Construction of test bores and associated monitoring bores has been completed.
- Pump testing will be commenced on bores to determine sustainable yield information.
- Test pumping information will be used to develop a groundwater assessment required for a project approval modification.
- Community Consultation will be undertaken after the groundwater assessment has been completed.

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## Southern Borefield Test Program



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**Question:** What is the feasibility of depositing tailings into Ridgeway? (**Graham Brown**)

**Answer:** We have investigated however the volume that could be deposited is quite small comparatively and it raises a number of environmental issues related to waterways. (**Jeff Burton**)

Aaron Brannigan added that Ridgeway is currently only in care and maintenance, still containing an ore body which can be returned to as a mining operation.

# MINUTES

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## ENVIRONMENTAL UPDATE

### PERFORMANCE

John Ford provided an overview of the Environmental Performance During October – December 2019

#### Environmental Performance (November – December)

##### Reportable Incidents

Nil.

##### Attended Noise

- Compliance monitoring was completed in December 2019

##### Unattended Noise (Cadia Noise Trailer)

- There were no noise exceedances recorded from November to December 2019 due to Cadia operations

##### Blasting

- No vibration and overpressure exceedances were recorded for the quarter.

##### Air Quality (November-December 2019)

- Monitors surrounding the mine generally reflected background air quality levels recorded at Orange and Bathurst.
- There were two events above PA criteria, both of which were attributable to regional dust events. The event from September is still being investigated.

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### MANAGEMENT

Jeff Burton and John Ford provided an overview of the current environmental management projects. In particular provided details of the Blayne Dewatering Facility demolition.

#### Environmental Management

- Old Blayne Dewatering Facility (Demolition & Remediation)
  - All pre-work completed including direct pumping from the Cadia Dewatering facility.
  - Demolition works commencing mid February 2020.
  - Finalisation of remediation plan.
- Commercial harvesting of Kangaroos re-commenced in June 2019.
  - Total FY20 Numbers (year to date) – 441
  - Feral pigs - 10
- Blayne Copper Mine (Rehabilitation)
  - Development Application being prepared.
- Cadia Dewatering Facility
  - Drainage improvement works – design finalised. Works scheduled to commence mid February 2020.

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# MINUTES

Cadia Valley Operations  
Community Consultative Committee



- Question:** Who leads the oversight of the Blayney Remediation works, Blayney Shire Council or the Environmental Protection Agency (EPA)? **(Mark Hodges)**
- Answer:** The EPA. **(Jeff Burton)**
- Question:** How much involvement does Blayney Shire Council have related to activities in the Blayney Shire? **(Bob Meyenn)**
- Answer:** Rehabilitation programs and archaeological artefacts require a Development Application, consideration of which is progressed through Blayney Shire Council. In addition, we do regularly consult with the three major LGA Councils regarding current and upcoming activities across the region. **(John Ford)**
- Question:** How old is the copper mine **(Bob Meyenn)**
- Answer:** From the 1920's, it was a BHP asset. **(Jeff Burton)**
- Question:** You're still responsible for the remediation, 100-years later? **(Bob Meyenn)**
- Answer:** Yes **(Jeff Burton)**
- Question:** Is it crown land **(Kim Masters)**
- Answer:** No, we own it, until it is remediated, **(Jeff Burton)**
- Question:** Once remediated can you sell it **(Kim Masters)**
- Answer:** Once the liability is eliminated, the crown takes it back. **(Aaron Brannigan)**

## SITE WATER BALANCE

John Ford provided an overview of the current site water balance.

### Site Water Balance



#### Water

- Cadia currently had an estimated 7,000 ML of water on site in January 2020, with approximately half held in Rodds Creek Dam
- Water recovery from the pit is continuing but at a slower rate due to the build up of fines as the pond size becomes smaller.
- Cadia is continuing to pursue a number of on-site water supply options and mitigation activities.
  - Operation of current approved borefield
  - Investigation into an expanded bore field
  - Extraction of accumulated water from the (backfilled) Cadia Extended pit

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- Question:** There is a lot of community discussion related to Orange City's effluent and what and how Cadia uses, is this being discussed between all parties? **(Graham Brown)**
- Answer:** Yes, Cadia has a very collaborative relationship with Council. As an example Cadia recently agreed to return or not take 2ML per day of effluent water for a

# MINUTES

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period of time in order to help Council manage environmental flows. (**Aaron Brannigan**)

**Statement:** Orange City Council acknowledged the good work Cadia does in working with regional stakeholders on water issues and noted that Cadia have supported water availability in Orange, working collaboratively with Orange City Council. Cadia's fair and equitable practices around effluent water has assisted Orange City Council meet its licensing requirements by releasing water back to Orange City Council for environmental flows, saving the use of town water supplies. (**Mark Hodges**)

**Question:** How many megalitres does the mine need? (**Bob Meyenn**)

**Answer:** Cadia recycles 80% - 85% of the processing onsite; which has been achieved through implementing programs and projects which saw the recycling rate increase from 60% – 65%. Cadia requires an estimated 35ML of additional water a day. (**Aaron Brannigan**)

**Question:** You should look at advertising the figures in the Central Western Daily? (**Graham Brown**)

**Answer:** We are in conversations with the media. (**Aaron Brannigan**)

**Question:** From a landholder perspective there is a general consensus that Cadia is desperate and greedy for water, the more you drill bores the more anxious we get? (**Bob Meyenn**)

**Answer:** All of Cadia's water sources are regulated, licenced and reported on. We have to work with the same rules as everyone else. We are committed to working in conjunction with the community. We have to be mindful that Cadia is a really significant employer and purchaser in the region; we are not looking at locking other people out of the water market. (**Aaron Brannigan**)

## WATER STORAGE & EXTRACTION

John Ford provided an overview of the current Cadia water storage and authorised extraction.

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## Water Storage & Extraction



Storage (6 January 2020)	Storage (ML)	Percentage
Cadiangullong Dam	295	7%
URC Dam	4,103	28%
Pit	~2,700 (estimated)	
Total	~7,100 (estimated)	Incl 750ML Cadia Extended
	FY20 YTD Extraction (ML)	Entitlement (ML)
Cadiangullong Dam Extraction	133 (estimate)	-
Flyers Creek	4.4 (estimate)	
Cadia Creek	2 (estimate)	
Runoff (Copper Gully Creek & Rodds Creek)	113 (estimate)	
Cadiangullong Total	252.4 (estimate)	4,200
	FY20 YTD Extraction (ML)	Licence Share (ML)
Belubula general security	1171	4080
Belubula Supplementary	60	3,125
Lachlan Fold Belt Groundwater (bores)	60	371
Lachlan F.B. Groundwater (mine dewatering)	342*	931
Orange Basalt Groundwater (mine dewatering)	42*	286
*Estimate		

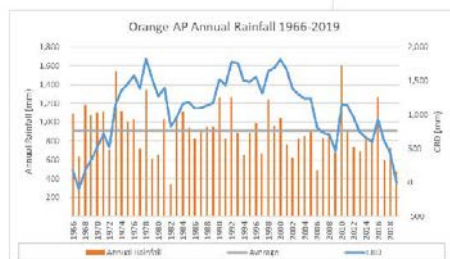
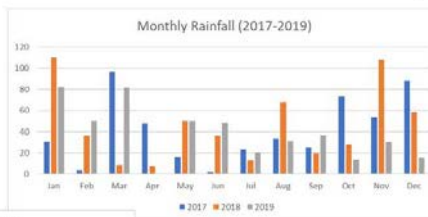
## REGIONAL RAINFALL

John Ford provided an overview of the regional rainfall for October – December 2019

### Regional Rainfall – significant deficit



Cadia's rain gauges recorded only 59mm rainfall for Oct-Dec 2019. Significantly lower than 2017 (216mm) and 2018 (195mm).



Orange airport recorded 480mm of rainfall. Second driest year on record (1982 recorded 343 mm). Driest 3 consecutive years on record (1966-2019)

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## CADIA EAST GROUNDWATER

John Ford provided an overview of the Cadia East groundwater monitoring for October – December 2019.

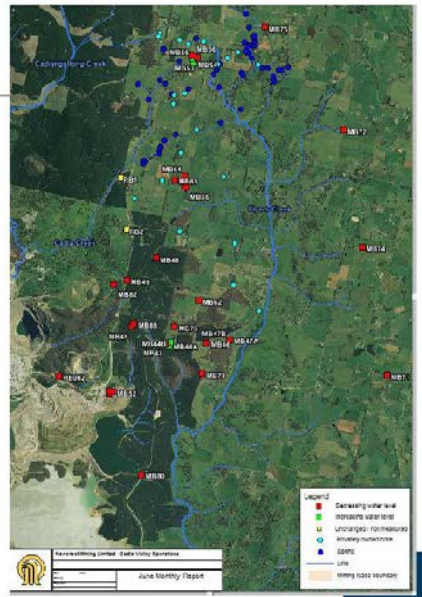
# MINUTES

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## Cadia East Groundwater

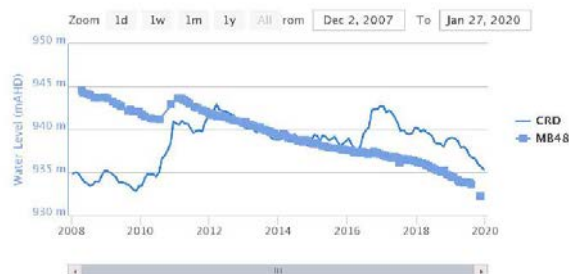
- Continued local and regional groundwater level decline due to continued below average rainfall and no recharge events
- Between July and October the Bureau of Meteorology recorded 128.2 mm of rain at the Orange Airport weather station which represents approximately 58% less rain than the long term 23 year average of 303.3 mm.
- Cadia site weather stations at Southern Lease boundary and Ridgeway recorded a combined average of 114.8 mm
- Cumulative Rainfall Departure (CRD) was negative for seven of the last twelve months.



## Cadia East Groundwater



- Groundwater throughout the district continued to drop in response to CRD.
- Rainfall has continued to be well below averages, delivering no recharge events.



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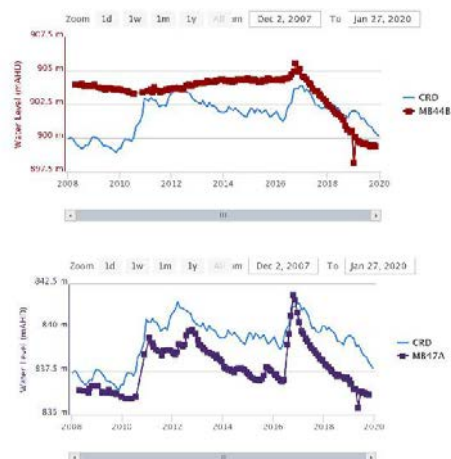


## Cadia East Groundwater



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## Cadia East Groundwater



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## REGIONAL GROUNDWATER

John Ford provided an overview of the regional groundwater monitoring for October – December 2019.

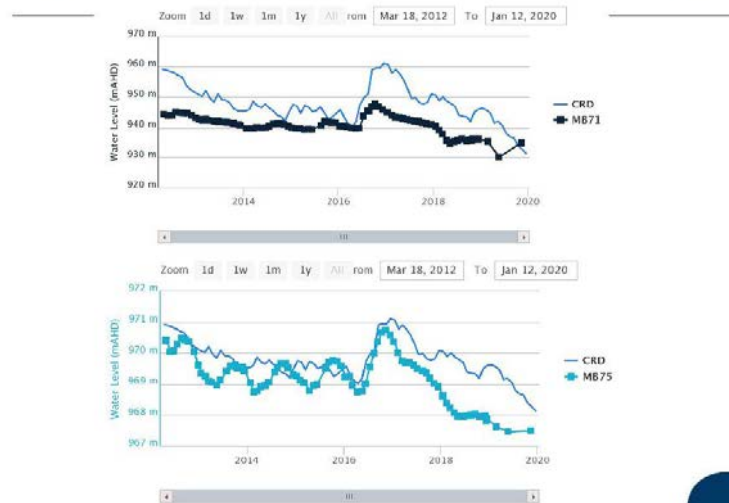


# MINUTES

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## Regional Groundwater



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**Question:** Are the graphs representative of the rainfall (**Graham Brown**)

**Answer:** Yes, and lack of recharge (**John Ford**)

**Question:** I am not sure that MB48 is a good average indicator, says it is declining and we expect rainfall would level it out but it is still declining? (**Graham Brown**)

**Answer:** We have further graphs that provide greater insight into the groundwater increase considering the dry conditions since 2016. (**Jeff Burton**)

**Question:** Are you saying that MB48 is indicative? (**Graham Brown**)

**Answer:** It is not typically responding the way we would expect as it didn't recharge in 2016/17 either. The pine plantations may impact, but we think it is far enough away from the Cadia subsidence zone. It was originally monitored and showed it was far enough away from the panel caves. The age of the plantation and demonstrated pine growth that can all impact recharge events. (**Jeff Burton**)

## COMMUNITY RELATIONS UPDATE

### RECENT ACTIVITIES

Matthew Armstrong provided an overview of the recent community activities.

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Community Consultative Committee

## Community Relations Activities



11 November – Schoolyard Blitz at Glenroi Heights Public School

- Transformed schoolyard into a nature play area.
- Cadia provided materials including soft fall, boulders, tree trunk, granite path, edging and plants.
- 15 Cadia volunteers, 225 students, 22 teachers and several parents.
- Playground aimed to reduce anti-social behaviour during break times by giving kids something fun to do.
- Cost - \$9,500 for Schoolyard Blitz + \$1,000 grant towards the playground equipment.

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## Community Relations Activities



- 3 November – Participation in Carcoar Cup
- 12 November – Hosted a tour for the Clontarf Academy
- 6 December – Cadia District Christmas Party
- 13 December – Cadia Christmas Toy Drive
  - Delivered more than 150 gifts and \$5,000 in gift vouchers to the Salvation Army
- 17 December – Blayney Hospital thank you and media opportunity



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## Community Relations Activities



- 18 December – Bowen Community Technology Centre Christmas party and presentation
- 31 December – Red Cross Orange Donor Centre thank you event
  - In FY19 the Cadia workforce provided 372 blood and plasma donations. Cadia matched every donation by \$10, providing \$3,720 to the Orange Donor Centre.
- Implementation of Cadia Accommodation Strategy with Orange360



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## COMMUNITY COMPLAINTS

Matthew Armstrong provided an overview of the community complaints received for November 2019 – January 2020. There have only a small number of complaints about dust over the last few months which is another indicator the dust suppression activities are working.

## Community Complaints



### January 2020

Nil

### December 2019

23<sup>rd</sup> Dec - Dust Emissions (event), Errowanbang, 1 Complaint

### November 2019

19<sup>th</sup> Nov - Dust Emissions (event), Errowanbang, 1 Complaint

12<sup>th</sup> Nov - Dust Emissions (event), Errowanbang, 1 Complaint



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## PARTNERSHIP FUNDING

Matthew Armstrong provided an overview of the successful community partnership funding.

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## Community Partnership Funding



### Donations to date by sector



### FY20 Donations since November

- \$25,000 – Orange City Council Gosling Creek track widening project (2<sup>nd</sup> instalment)
- \$16,500 – 66 Good Onya grants awarded
- \$5,000 – \$4\$ donation to match funds raised by Cadia workforce to support a colleague and their family
- \$5,000 – \$4\$ donation to match funds raised by Cadia workforce to support a colleague during their loss
- \$1,500 – Cerebral Palsy Alliance physiotherapy resources
- \$1,500 – Lyndhurst Recreation Ground pump track
- \$1,500 – Panaura Tennis Facility kitchen repairs
- \$1,500 – Trial Canowindra Creative Centre

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## Community Partnership Funding



### FY20 Donations since November

- \$1,000 – 2020 Blayney Show
- \$1,000 – 2020 Carcoar Village Fair
- \$1,000 – Blayney Public School presentation awards
- \$1,000 – Calare Public School Aboriginal cultural garden
- \$1,000 – Orange Christian School defibrillator
- \$1,000 – Spring Terrace Public School awning
- \$615.30 – Return & Earn funds towards Dolly's Dream

FY20 donations to date:  
**\$259,828**

### Donations to date by area



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## Community Partnership Funding



### FY20 Donations – Good Onya 2019

- \$1,000 – Cudal Pony Club
- \$1,000 – Orange Public School P&C
- \$750 – Orange Aquatic Centre Swim Club
- \$750 – Orange Tigers ARFC
- \$750 – Neville Public School P&C
- \$500 – 2<sup>nd</sup> Orange Scout Group
- \$500 – Blayney A&P Association
- \$500 – Bowen Community Technology Centre
- \$500 – Canowindra Country Education Foundation
- \$500 – Clifton Grove Ophir RFS
- \$500 – Manildra Rhinos Rugby League Football Club
- \$500 – Millthorpe Bowling Club
- \$500 – Neville Public Hall Reserve Land Management
- \$500 – Neville Show Society
- \$500 – Orange CYMS Hockey Club
- \$500 – Orange Eight Day Games
- \$500 – Orange Waratah Junior Soccer Club
- \$500 – Orange Waratahs Netball Club
- \$500 – Ronald McDonald House Orange
- \$500 – Tallwood RFS
- \$250 – Blayney High School P&C
- \$250 – Canowindra Junior Pythons Rugby Club
- \$250 – Confederates Hockey Club
- \$250 – Denise at Paws
- \$250 – Denison Dog Obedience Training Club
- \$250 – Lachlan Valley Railway Society Cooperative
- \$250 – Lucknow Summer Hill Creek RFS
- \$250 – Mullion Creek RFS
- \$250 – North West Orange RFS
- \$250 – Orange & District Basketball Association
- \$250 – Orange Anglican Grammar School
- \$250 – Orange Bush Nippers
- \$250 – Orange Christian School
- \$250 – Orange Evangelical Church
- \$250 – Orange Girl Guides
- \$250 – Orange Rural Fire Brigade
- \$250 – Special Religious Education
- \$250 – Spring Hill Huntley RFS

TOTAL = \$16,500

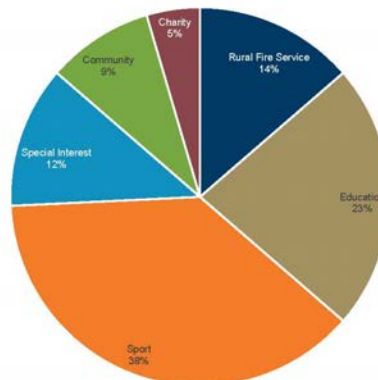


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## Community Partnership Funding



### 2019 Good Onya recipients



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**Question:** Do you have any figures related to RFS volunteer hours of the Cadia workforce? (**Graham Brown**)

**Answer:** Not at this time, but we do know of personal contributions by the Cadia workforce and additional support provided by the sub-branch located onsite through taking on more 'on-call' duties from other branches to allow them to commit greater resourcing to the fires. (**Matthew Armstrong**)

Aaron Brannigan added that the relevant Cadia leave policies have been amended to remove the maximum volunteer fire fighting days from 3, to a figure at the General Manager's discretion. In addition to a workforce opportunity to train more people in firefighting.



# MINUTES

Cadia Valley Operations  
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## CADIA DISTRICT ENHANCEMENT PROJECT

Matthew Armstrong provided an overview of the CDEP activities.

### Cadia District Enhancement Project



#### Loyalty Program:

##### • CDEP Educational Grants Program

- \$1,500 – Rural Traineeship (no longer going ahead)
- \$1,200 – Bachelor of Language and Bachelor of International Relations
- \$1,000 – Bachelor of Laws
- \$429 – Pilot in Command Instrument Flight Rules Theory Course
- \$375 – Driving a Forklift
- \$285 – Spring management of honey bee colonies
- \$180 – Responsible Service of Alcohol

**Total = \$4,696**

#### CDEP Committee Meeting

- December meeting postponed
- **Next meeting – Early 2020 to discuss new strategy and structure**

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### Cadia District Enhancement Project



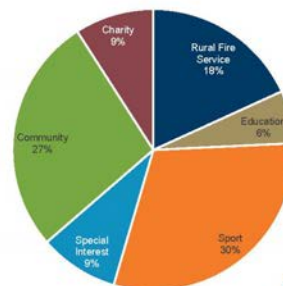
#### Loyalty Program:

##### • CDEP 2019 Good Onya Program

- \$1,000 – Panuara Pony Club
- \$1,000 – Panuara Rural Fire Brigade
- \$750 – Blayney & District View Club
- \$500 – CDEP Governing Committee
- \$500 – Goldseekers Orienteering Club
- \$500 – Lifeline Central West
- \$500 – Panuara Recreation Reserve Trust
- \$250 – Blayney Dolphins Swimming Club
- \$250 – Canobolas Zone RFS Communications Unit
- \$250 – Carcoar Hospital Museum
- \$250 – Carcoar Mandurama CWA
- \$250 – Carcoar PA&H Society
- \$250 – Holy Trinity Anglican Church – Orange Peelers
- \$250 – Millthorpe Golden Memories Museum
- \$250 – Millthorpe Junior Soccer Club
- \$250 – Millthorpe Mozzies Junior Rugby Union Club
- \$250 – Millthorpe Public School P&C

- \$250 – Orange District Ministers Association
- \$250 – Orange & District Horticultural Society
- \$250 – Tallwood Rural Fire Service
- \$250 – Vinnies Night Van

**Total = \$8,250**



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Community Consultative Committee



## Cadia District Enhancement Project



### Telecommunications Project

- 2020 - Flyers Creek tower

### Roadside Waste Collection Service

- Small cost increase for residents from November 2019

### Weeds and Pest Management

- 2020 Weed Calendar distributed
- 2020 – Weed Field Day focusing on farm technology

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**Question:** Do you think the Flyers Creek telecommunications tower will proceed, as we have not spoken with Optus for over three months? **(Kim Masters)**

**Answer:** We will discuss further, and Cadia will offer resources to investigate the current status of the project. **(Matthew Armstrong)**

## GENERAL BUSINESS

### NEW REPRESENTATIVE TOUR

Cadia offered Bob Meyenn a site tour, to better understand operations and assist in his duties as a landowner representative.

# MINUTES

Cadia Valley Operations

Community Consultative Committee



Title	Cadia Community Consultative Committee Meeting	
Meeting Date & Time	11 May 2020 @ 6:00PM	
Chairperson	David Johnson	Chairperson
Meeting Attendees	Aaron Brannigan	Acting General Manager
	Merrilyn Tinsley	Manager, HSESR
	Vicki Hood	Superintendent, Environment
	Jane Chung	Superintendent, Approvals and Community
	Matt Armstrong	Senior Social Performance Specialist
	Mark Hodges	Orange City Council Representative
	Mark Dicker	Blayney Shire Council Representative
	Heather Nicholls	Cabonne Shire Council Representative
	Graham Brown	Orange City Council Landowner
	Bob Meyenn	Springside Shire Landowner
	Geoff Knox	Errowanbang Shire Landowner
	Chris Baker	Blayney Shire Landowner
	Kim Masters	Forest Reefs / Flyers Creek Shire Landowner
Apologies	Nil	
Venue	Via Skype for Business	
Next Meeting	Monday, 10 August @ 6:15PM	

## ACTIONS

Ref #	Action Items	Who	Due By
1.	Arrange a site tour for Bob Meyenn and David Johnson.	Matthew Armstrong	31/12/2020
2.	Relocate Mark Hodges comments from the February meeting to the water section	Matthew Armstrong	10/08/2020
3.	Amend the meeting minutes date	Matthew Armstrong	10/08/2020
4.	Add the levels of each bore hole to the southern bore field updates	Jane Chung	10/08/2020
5.	Investigate alternative non-recycled water sources for the hydro fracking	Aaron Brannigan	10/08/2020
6.	Confirm the RL of the bore holes related to the hydro fracking	Aaron Brannigan	10/08/2020

7.	Include additional diagrams and visual aids to present the NTSF repair options at next meeting.	Matthew Armstrong	10/08/2020
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## MEETING WELCOME AND INTRODUCTIONS

David Johnson opened the meeting at 6:12PM and welcomed all attendees and introduced himself as the new Independent Chair of the Cadia Community Consultative Committee.

## MINUTES OF PREVIOUS MEETING

The minutes of the previous meeting held on Monday, 10 February 2020 were approved as a true and accurate reflection of the meeting.

## BUSINESS ARISING

- Add levels of each bore hole to the southern bore fields section
- Relocate Mark Hodges comments to the water section
- Amend the date of the minutes

## ACKNOWLEDGEMENT OF COUNTRY

David Johnson delivered an acknowledgement of country.

## SAFETY SHARE

Aaron Brannigan advised we need to be cautious as COVID-19 restrictions are lifted. To remember the critical controls; handwashing and social distancing intended to reduce the risk of reigniting the pandemic, especially in our area where no active cases are presently.

## DECLARATION OF INTERESTS

Kim Masters disclosed a pecuniary interest related to the Flyers Creek telecommunications tower. The committee acknowledged the disclosure.

## PRODUCTION HIGHLIGHTS

Aaron Brannigan provided an overview of the Newcrest and Cadia highlights for the March 2020 quarter.

## Production Highlights



### March Quarter:

#### Newcrest

- Gold production of 519koz, down 6% from the December 2019 quarter but in line with guidance.
- Copper production of 35t, down 7% from the December 2019 quarter but in line with guidance.

#### Cadia

- Gold production of 195koz was down by 19% on the December 2019 quarter, primarily driven by lower throughput and lower head grade.
- Copper production of 23kt was down by 15% on the previous quarter for the same reasons.
- Cadia All-In Sustaining Cost - \$137 per ounce was slightly lower for the quarter, benefiting from the sale of stock on hand at the end of December, a weaker Australian dollar favourably impacting costs and lower sustaining capital expenditure.

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## CADIA VALLEY OPERATIONS UPDATE

### HAPPENINGS ON SITE

Aaron Brannigan provided an overview of the Newcrest and Cadia operational response to COVID-19 and the Cadia conceptual Solar Farm.

## Happenings On Site



### COVID 19 – Operational Response

Cadia has implemented an extensive programme of preventative actions and has not had a positive case of COVID-19. Nor has any Newcrest operation, project or corporate office in Australia and overseas.

Some of the key preventative actions include:

- Work-From-Home: All workers that didn't have to be on site were de-mobilised to work from home;
- Entry Screening: temperature check and questionnaire to flag any risk factors;
- Social Distancing: holding panel start and pre-start meetings in bigger rooms, with smaller work groups at staggered times to maximise distance between individuals, staggering lunch breaks, use of additional crib facilities to avoid crowding, limits on the number of people in a vehicle and creating separate work areas;
- Education: Reinforcing the necessity of rigorous hand hygiene and cough/sneeze hygiene;
- Cleaning: Maintaining increased cleaning protocols, particularly in communal areas such as crib rooms and meeting rooms.

Cadia is introducing a contact tracing system called Safety Trace. Designed in-house, the technology accurately identifies people who may have been in contact with a suspected or confirmed case of COVID-19.

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## Happenings On Site



### Solar Farm

- Newcrest has postponed the pursuit of an on-site solar power plant at Cadia.
- The Solar Farm, due to the limited permissible size, would have had a limited impact on the overall emissions intensity of the operation.
- Work continues on engaging with renewable energy providers 'outside the gate' who are able to provide long term, reliable renewable energy at scale.



**Question:** What protocols pertain to contractors moving around Australia? (**Graham Brown**)

**Answer:** Contractors onsite have internally swapped their workforce, to ensure NSW based individuals are working within state and other workers have been redistributed to their own home states.

We reduced the number of people brought in for the most recent shutdown, requiring only specialist to be brought in from out of state.

Some of our Fly in fly out (FIFO) workforce have relocated to Orange temporarily and those that are travelling are being monitored through controlled environments. (**Aaron Brannigan**)

**Question:** Why have you chosen to use in-house tracing rather than government control tracing application? (**Chris Baker**)

**Answer:** We are not implementing in isolation but in addition to the government application. Our application is only activated when on the mining lease and only traces contact movement. (**Aaron Brannigan**)

**Question:** What has been the impact on production? (**Graham Brown**)

**Answer:** Currently there has been no impact. We have been able to operate business as usual, but with additional controls and preventative measures. (**Aaron Brannigan**)

## NORTHERN TAILINGS STORAGE FACILITY (NTSF) EMBANKMENT SLUMP

Aaron Brannigan provided an update on the NTSF embankment slump repair works.

### Northern Tailings Storage Facility (NTSF) Embankment Slump



- The three options currently being studied in the PFS are as follows:
  - Localised encapsulation of the slump employing a centreline encapsulation profile design.
  - Localised encapsulation of the slump employing a downstream encapsulation profile design requiring a larger footprint than the other options
  - Limited slump encapsulation and capping of the slump relying upon slump material for a proportion of foundation strength.

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## CADIA EXTENSION PROJECT (CXP)

Aaron Brannigan provided an update on the CXP Project progression.

### Cadia Extension Project (CXP) - Update

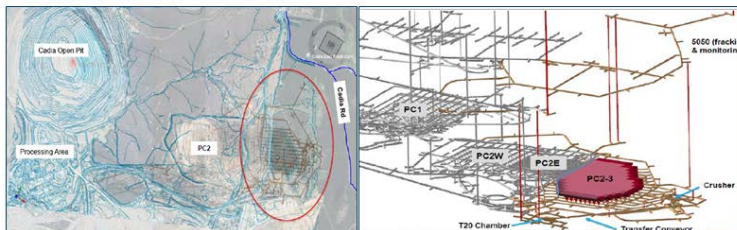


#### Background

- CXP has an overall estimated total capital cost of \$865m to allow for an additional 10 years of mining.
- CXP will be delivered in two stages over five years and will deliver:
  - 33kms of new tunnels,
  - first product from PC2-3 in FY23,
  - A new Underground Crusher and conveyor network
  - Process Plant upgrades to de-bottleneck production lines and accommodate harder ore

#### Progress

- Design work for CXP is well underway.
- Project schedule on-track



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**Question:** The cave zone for PC2-3, I assume it will create its own to surface cave (**Graham Brown**)

## MINUTES

### Cadia Valley Operations

### Community Consultative Committee



**Answer:** Yes, but not to the extent that it breaks to surface, it will only affect the current crater, expanding the subsidence zone. **(Aaron Brannigan)**

**Question:** If expanding the subsidence zone from PC2-3, how close to Cadia Road will the exclusion zone be? **(Chris Baker)**

**Answer:** The subsidence zone of influence is consistent with Cadia East environmental assessment (EA). It will go over the road, but a diversion will come from Woodville Road and loop back to. **(Jane Chung)**

**Question:** At the start of Cadia East it was brought up that it may affect Cadia Road, but since then it has been brought back and changed, moving the influence, the community are wondering what is going on and what is the timeframe? **(Chris Baker)**

**Answer:** A discussion with Blayney Shire Council will commence this year for designs of the road, no prediction as to when it might affect it because we didn't have enough data to determine how quickly the zone would progress, our estimate is 1 year or so for design with works to commence in 12-24 months. **(Jane Chung)**

**Question:** I understand, extending the mine another 10-years and that Cadia East is not the end of the impact and change. The current approved mine life of 2021 and 32m tons per annum; but the impact is always moving and referenced back to the original impact statement? **(Chris Baker)**

**Answer:** We have approval for mining operations until June 2031 which encompasses a part of Cadia Road being impacted by PC2-3, zone of influence for cracking not breaking to the surface. **(Jane Chung)**

## TAILINGS STORAGE FACILITY DUST MANAGEMENT

Aaron Brannigan provided an update on the short and long-term dust management strategies.

## NTSF and STSF Dust Management – Update



- Erizon commenced operations in April 2020, engaged on multi-year contract to manage and maintain hydromulch dust suppressant on the NTSF.
- Erizon have designed and constructed a specialised low ground pressure tractor and trailer mounted hydro-mixing application tank and mounted nozzles (like a water cannon) to enable full surface coverage of the NTSF.
- Cadia's Panther commenced 24 hour operations following dust events in March.
- The Panther will continue to be utilised on an ongoing basis to apply dust suppressant product on the NTSF when Erizon are off-shift or on the STSF which Cadia will continue to manage themselves.
- Cadia has commenced monthly progress reports to the Community.



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## CADIA MOLYBDENUM PLANT

Aaron Brannigan provided a construction update on the Molybdenum Plant.

### Cadia Molybdenum Plant – Update



#### Early Works and Civil Works

- Well advanced and on-schedule.
- New temporary access road completed.
- Ongoing delivery of materials makes it a busy work site.

#### Construction

- Awarding of packages for Engineering, Design and Procurement of the actual plant are 65%-70% completed.
- All personnel will continue to be bussed to site to reduce the number of vehicles on the road.

#### Commissioning

- Moly first production still scheduled to commence Calendar Year 2021
- Full load commissioning FY22



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## ABOVE-GROUND PRECONDITIONING TRIAL

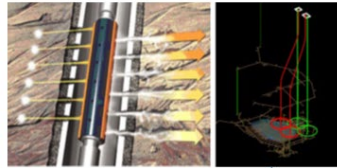
Aaron Brannigan advised a preconditioning trial has commenced above PC2-3.

## Above-ground Preconditioning Trial



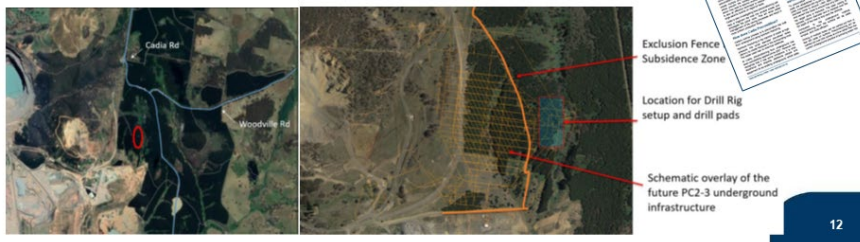
### Preconditioning

- Preconditioning is currently carried out using underground hydraulic fracturing at Cadia.



### Above-ground Preconditioning

- An area above the future Crusher Chamber for Panel Cave 2-3 (PC2-3) has been selected to trial 'above-ground' preconditioning.
- A minimum of four boreholes will be drilled using two surface pads.
- 'Zone targeted' hydraulic fracturing will then occur, taking around 30 days.



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**Question:** Hydrofracturing down that hole at a mineralised level, I assume therefore material above will hang up to some extent (**Graham Brown**)

**Answer:** We are hydrofracturing the entire length of the ore body, which isn't far from the surface. The rock mass above ore body is quite weak and we will hydro frack in 2 metre intervals very close together on a vertical plane. We expect 100 metre diameters, with 50 metres around the ore, so that the actual bore holes are such that fractures come very close to each other (**Aaron Brannigan**)

**Question:** Where will the water be sourced (**Chris Baker**)

**Answer:** We use recycled water and relevant to our work we have 2 x 10,000 litre surface water storage containers that we use for fracturing the rock (**Aaron Brannigan**)

**Question:** What is the chance of leachate contaminated water getting into any other water sources through community? (**Chris Baker**)

**Answer:** To enable the activity to occur we needed approval through modification 10, which included groundwater assessment and predictions that it would be highly unlikely to seep out of the cavern. (**Aaron Brannigan**)

**Question:** This is not the first time Cadia have hydro fracturing and we asked the same questions at that time? (**Chris Baker**)

**Answer:** We use the recycled water from the mill, which is the same water we recycle regularly. We can recycle 85% of our water, most of which goes to Rodds Creek Dam it's the same we use for underground hydro fracturing we recycle 85% of our water, a lot of it (**Aaron Brannigan**)



**Question:** Why can't you use better quality water? Just to ease the minds of community?  
*(Chris Baker)*

**Answer:** We will investigate alternative water options to be used for hydro fracturing.  
*(Aaron Brannigan)*

**Question:** What is the RL of the hydro fracturing? *(Graham Brown)*

**Answer:** We will confirm and advise the committee outside of the meeting *(Aaron Brannigan)*

**Question:** But it's below local aquifers? *(Graham Brown)*

**Answer:** Yes, we will get back to you with the exact upper limit. *(Aaron Brannigan)*

## PROJECT MODIFICATIONS AND APPROVALS UPDATE

Aaron Brannigan provided an update of Cadia approval activities including modification 13, southern bore field and NTSF repairs.

### Approvals Update



#### Modification 13 – Completion of Tailings Deposition in Cadia Hill

- Mod 13 approval received in December 2019.

#### Southern Bore Field

- Test pumping was completed at six pumping bores, however insufficient water yield was found to warrant any of these bores to be developed into production bores. Several of these test bores will be converted into groundwater monitoring bores.
- Cadia is exploring the possibility of drilling further test bores at other locations within Cadia owned property.

#### Other Approvals

- Cadia is currently in the process of determining the required government approvals associated with the NTSF repairs and components of the announcement of the Cadia Expansion. We expect to be engaging with the community in May 2020.

## ENVIRONMENTAL PERFORMANCE UPDATE

Vicki Hood provided an update of Cadia environmental performance for the quarter.

### Environmental Performance (January to March)



#### Reportable Incidents

Nil.

#### Attended Noise

- Compliance monitoring was completed in February 2020. Noise levels were compliant at all locations.

#### Unattended Noise (Cadia Noise Trailer)

- Monitoring was conducted at private properties on Cadia Rd through January and February. Noise levels were found to be non-compliant at those particular locations and Cadia is now taking steps with each of the property owners to mitigate noise.
- Noise modelling has been conducted to determine whether properties in the vicinity of the Cadia Dewatering Facility may be affected by train noise. The data is currently being analysed.

#### Blasting

- No vibration and overpressure exceedances were recorded for the quarter.

#### Air Quality

- Regional dust storms and bush fire activity attributed to exceedances across the monitoring period. No Project Approval exceedances due to mine contributions.

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## ENVIRONMENTAL MANAGEMENT

Vicki Hood provided an update of Cadia environmental management activities.

### Environmental Management



- Old Blayney Dewatering Facility (Demolition & Remediation)
  - Building and all plant demolished and removed.
  - All concrete and material removed by the end of April 2020, followed by soil sampling and validation.
  - Additional soil sampling (outside formal lease area) and input into the remediation plan.
- Commercial harvesting of Kangaroos re-commenced in June 2019.
  - Total FY20 Numbers (year to date) – 532
  - Feral pigs - 10
- Blayney Copper Mine (Rehabilitation)
  - Development Application being prepared.
  - Adjustments to be made due to heritage features.
- Cadia Dewatering Facility
  - Drainage improvement works commenced.



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**Question:** Does Cadia upload monitoring results and air quality to the website? (**David Johnson**)

**Answer:** Yes, after reviewing our monthly reports are uploaded and available to the

general public. (**Vicki Hood**)

**Question:** The incident on the 20<sup>th</sup> March wasn't classified as a reportable incident?  
(**Chris Baker**)

**Answer:** No, because the total dust in the air compared to what we emitted was not in exceedance. We have concerns raised within the community but from an exceedance perspective it measures a 24-hr period. (**Vicki Hood**)

**Question:** On the 26<sup>th</sup> March it could be visibly seen as dust lifting from the tailing's dams?  
(**Kim Masters**)

**Answer:** We did not have a regulatory exceedance but are working with the EPA to look at those days and analyze what was happening. (**Vicki Hood**)

### BLAYNEY DEWATERING FACILITY DEMOLITION

Vicki Hood provided an update on the demolition of the Blayney Dewatering Facility.

#### Blayney Dewatering Facility Demolition



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### TAILINGS DUST ASSESSMENT PROJECT

Vicki Hood provided an update on the analysis of the tailings dust.

## Tailings Dust Assessment Project



### Background

- Members of the community have requested information to assist their understanding of the composition of the dust from the TSF's and the analysis of the dust to provide reassurance that the dust doesn't pose a health risk.

### Scope

- Geochemical and mineralogy testing of tailings – whole and <10µm (PM10) fractions.
- Geochemical and mineralogy testing of 'tailings' dust sampled from neighbouring properties using high-volume air samplers.
- Geochemical and mineralogy testing of 'vent' dust using low-volume air samplers.
- Community Tank Drinking Water testing.
- Leading experts to undertake the assessments and analysis of data.
- The team will be led by Mr Paul Harrison, Serinus Health Safety and Environment, former Deputy Director-General Mine Safety and Health for the Queensland Department of Natural Resources and Mines, and Queensland Commissioner for Mine Safety and Health.

### Results

- All preliminary results indicate there are no community health impacts.
- Report is due June 2020. Community Factsheets will be prepared and distributed once the studies are finalised.

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**Question:** The processing of rock with acidic waste, is the tailings dust acidic ? What impact will it have on pastures and metal? **(Kim Masters)**

**Answer:** Testing will be available soon and we will share the results with the community. **(Vicki Hood and Aaron Brannigan)**

## SITE WATER BALANCE

Vicki Hood provided an update on Cadia's site water balance.

### Site Water Balance



#### Water

- Cadia currently had an estimated 6,000 ML of water on site in April 2020, with approximately half held in Rodds Creek Dam
- Water recovery from the pit is continuing but at a slower rate due to the build up of fines as the pond size becomes smaller.
- Cadia is continuing to pursue a number of on-site water supply options and mitigation activities.
  - Operation of current approved borefield;
  - Investigation into an expanded borefield; and
  - Extraction of accumulated water from the (backfilled) Cadia Extended Pit.

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## WATER STORAGE & EXTRACTION

## MINUTES

### Cadia Valley Operations

### Community Consultative Committee

Vicki Hood provided an update of Cadia's water storage and extraction.

### Water Storage & Extraction



Storage (April 2020)	Storage (ML)	Percentage
Cadiangullong Dam	167	4%
URC Dam	3,153	22%
Pit	~1,845 (estimated)	
Total	~6,051 (estimated)	Incl 636 ML Cadia Extended

	FY20 YTD Extraction (ML)	Entitlement (ML)
Cadiangullong Dam Extraction	133 (estimate)	-
Flyers Creek	10.5 (estimate)	
Cadia Creek	2 (estimate)	
Runoff (Copper Gully Creek & Rodds Creek)	116 (estimate)	
Cadiangullong Total	261.5 (estimate)	4,200

	FY20 YTD Extraction (ML)	Licence Share (ML)
Belubula general security	1,391	4080
Belubula Supplementary	326	3,125
Lachlan Fold Belt Groundwater (bores)	60	371
Lachlan F.B. Groundwater (mine dewatering)	342*	931
Orange Basalt Groundwater (mine dewatering)	42*	286

\*Estimate

## REGIONAL RAINFALL

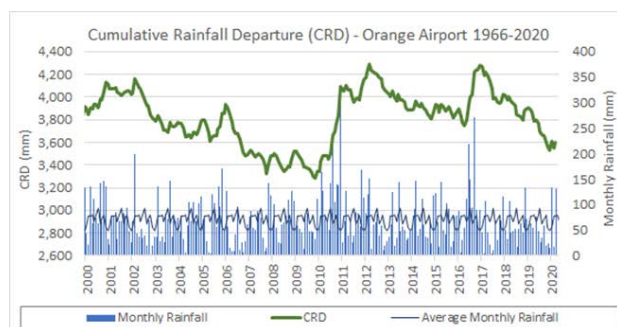
Vicki Hood provided an update on the regional rainfall deficit.

### Regional Rainfall – significant deficit



Following an extremely dry last quarter of 2019, the region has received some good rainfall since January. 281mm was recorded at Orange Airport from January to March 2020.

This rainfall is clearly evident on the CRD chart below.



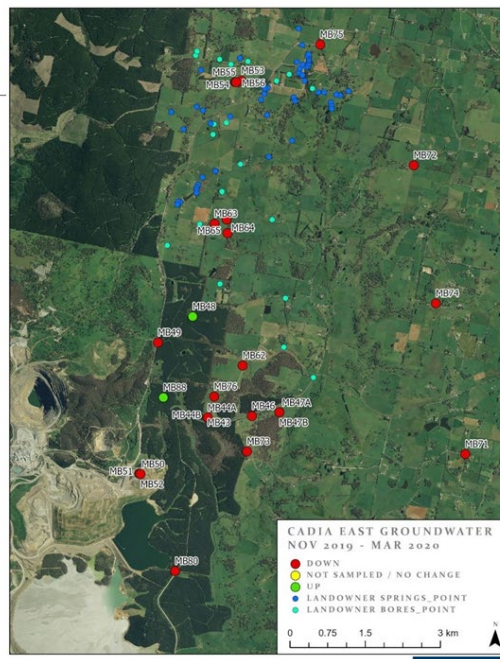
## CADIA EAST GROUNDWATER

Vicki Hood provided an update on the Cadia groundwater monitoring results.



### Cadia East Groundwater

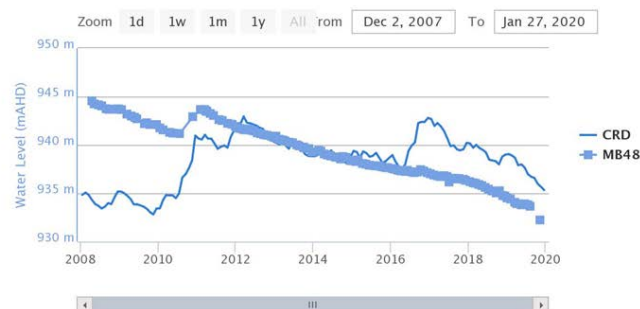
- Between November 2019 and March 2020, most groundwater bores showed a net decline in water level. Although the trend appears to be 'flattening' indicating that some recharge is occurring.
- It is envisaged that the next round of monitoring will show some recovery in groundwater levels throughout the area.
- This recovery is already evident from the latest monitoring round in April for some bores.



### Cadia East Groundwater



- Groundwater throughout the district continued to drop in response to CRD.
- Rainfall has continued to be well below averages, delivering no recharge events.



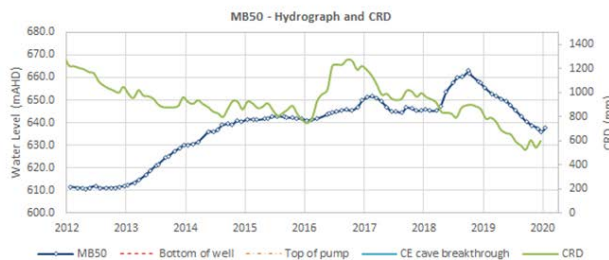
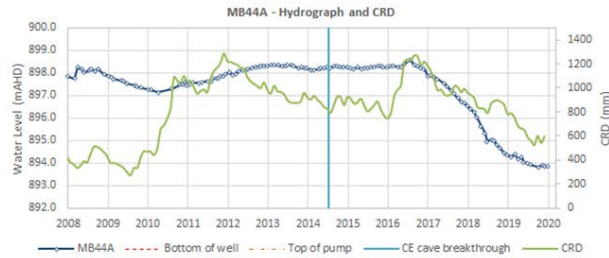
## Cadia East Groundwater



MB44A (142m deep) and MB50 (217m deep) are screened in the deeper Silurian Sediments.

MB44A is located due east from the Cadia East mine and has showed a relatively stable trend over the past few months.

MB50 is located just south of the Cadia East mine, next to one of the ventilation risers. It has displayed some recovery since the recent rainfall.



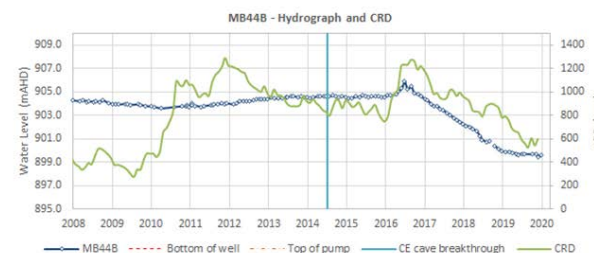
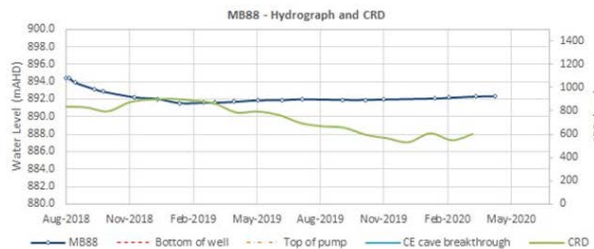
## Cadia East Groundwater



MB88 (90m deep) and MB44B (47m deep) are screened within the Tertiary Basalt aquifer.

MB88 is located in the pine forest near Woodville Rd and has showed a small increase in level over the past 12 months.

MB44B is located to the east of Cadia East mine and has displayed a relatively stable trend over the past 6 months.



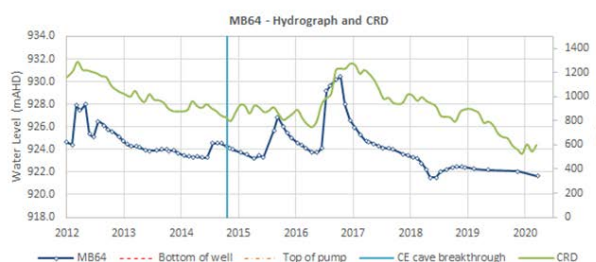
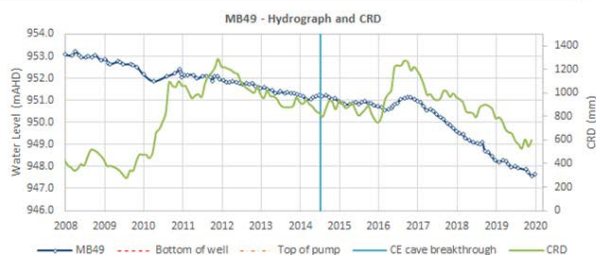
## Cadia East Groundwater



Moving further north, MB49 (39 m deep) and MB64 (66m deep) are screened within the Tertiary Basalt aquifer.

MB49 displayed an overall declining trend when looking at the long-term, however the latest measurement in April indicated a small increase relative to the previous month.

MB64 showed a minor decrease in level from November 2019 to March 2020

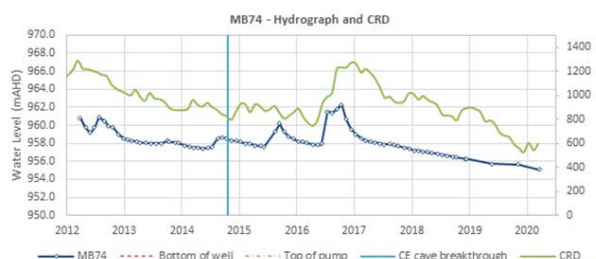
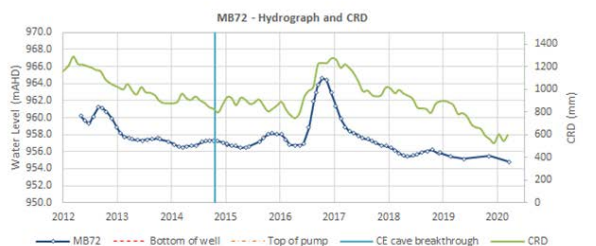


## Cadia East Groundwater



Moving further from the mine, MB72 (44m deep) is located on Waldergrave Rd and MB74 (27m deep) is located at Rapley's Lane. Both are screened within the Tertiary Basalt aquifer.

Both of these bores also showed a decrease in water level from March 2019 to November 2020. The next monitoring of these bores will be conducted in May 2020.



## COMMUNITY RELATIONS UPDATE

Matt Armstrong provided an overview of community relations activities.

## COVID 19 Community Support Program



### Newcrest Program

- Newcrest announced \$20M fund to assist its host communities during pandemic.
- Portion of funds to go to Blayney, Cabonne and Orange shires.
- The fund will focus on the physical well-being of the community and will also focus on other industries, businesses and community groups affected by the pandemic i.e. tourism
- Have developed application form and are now consulting with stakeholders in our community on how we can assist.
- The program will be rolled out over the next 6-9 months to ensure enduring value.

### Cadia Community Partnership Program

- Cadia will also re-direct funds from its Community Partnership Program to focus on local CoVID-19 support.
- We have already purchased face masks for the hospital and commenced daily meals for hospital staff supported a Cuppa on Cadia at the Orange Health Service to further support local eateries.

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## Community Relations Activities



- 31 December – Visit to Orange Donor Centre (Cadia donated \$3,720 and the Centre purchased a water fountain)
- 6 March – Visit to Age of Fishes Museum (Cadia donated \$14,000 towards an interactive timeline)



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## Community Relations Activities



- Cadia is working with Orange360 to assist the accommodation sector during the Pandemic. Currently conducting consultation on how we can assist. e.g pre-payment of accommodation for Expansion Project.
- Commenced on-site BBQ to support local and invited local eateries to cater. Opportunity for workforce to support during pandemic.
- Working together with NSW Mining in local advertising campaign.
- Commencement of Socio-Economic Study – conducted every 5 years to measure social and economic impact in the community. CCC members will have opportunity to be part of interviews.



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## COMMUNITY COMPLAINTS

Matt Armstrong provided an overview of the community complaints received within the quarter.

### Community Complaints



#### April

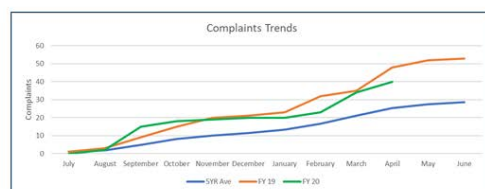
- 26<sup>th</sup> April - Dust Emissions (event), Errowanbang, 3 Complaints
- 16<sup>th</sup> April - Dust Emissions (event), Errowanbang, 1 Complaints
- 4<sup>th</sup> April - Driving Behaviour, Forest Reefs Rd
- 2<sup>nd</sup> Apr – Social Distancing of Worker, Blayney

#### March

- 25<sup>th</sup> Mar – Driving Behaviour, Cadia Rd
- 23<sup>rd</sup> Mar - Dust Emissions (event), Errowanbang, 1 Complaints
- 20<sup>th</sup> Mar - Dust Emissions (event), Errowanbang, 6 Complaints
- 1<sup>st</sup> Mar - Dust Emissions (event), Errowanbang, 3 Complaints

#### February 2020

- 26<sup>th</sup> Feb - Dust Emissions (event), Errowanbang, 3 Complaints



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**Question:** The \$20M fund, is it being administered in-house and broken up across all Newcrest sites? **(Chris Baker)**

**Answer:** Yes, it is processed through a three-tiered committee structure whereby a corporate committee approve expenditure proposed and delivered by sites implementation teams. **(Matt Armstrong)**



## MINUTES

### Cadia Valley Operations

### Community Consultative Committee



## COMMUNITY PARTNERSHIPS

Matt Armstrong provided an update on the recipients of Cadia Community Partnership funding.

### Community Partnership Funding



#### FY20 Donations since February

- \$25,000 – Uralba Retirement Village (funding towards an expansion to address aged-care crisis in Blayney)
- \$16,874 – Face masks for Orange Health Service
- \$12,600 – New equipment for Orange Aboriginal Medical Service
- \$10,000 – Fairbridge Children's Park in Molong
- \$7,500 – New shed for Orange Riding for the Disabled
- \$1,951 – \$4\$ donation to assist an employee with a sick baby
- \$1,131.80 – \$4\$ donation to match funds raised for the 2019 Carcoar Cup (supporting Uralba Retirement Village)
- \$1,000 – Orange Public School
- \$500 – CWA of NSW School's Public Speaking Competition
- \$250 – \$4\$ to match funds raised to support NSW Rural Fire Service
- \$245 – Buy a Bale (funds from Return & Earn program)

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## CADIA DISTRICT ENHANCEMENT PROJECT

Matt Armstrong provided an update on the Cadia district enhancement project (CDEP) activities.

### Cadia District Enhancement Project



#### Loyalty Program:

- **CDEP Educational Grants Program**
  - \$1,500 – Rural Traineeship (no longer going ahead)
  - \$1,200 – Bachelor of Language and Bachelor of International Relations
  - \$1,000 – Bachelor of Laws
  - \$429 – Pilot in Command Instrument Flight Rules Theory Course
  - \$375 – Driving a Forklift
  - \$285 – Spring management of honey bee colonies
  - \$180 – Responsible Service of Alcohol

**Total = \$4,696**

#### CDEP Committee Meeting

- December meeting postponed
- **Next meeting – May - June 2020** to discuss new strategy and structure

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## Cadia District Enhancement Project



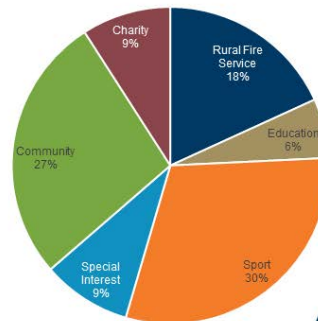
### Loyalty Program:

#### • CDEP 2019 Good Onya Program

- \$1,000 – Panuara Pony Club
- \$1,000 – Panuara Rural Fire Brigade
- \$750 – Blayney & District View Club
- \$500 – CDEP Governing Committee
- \$500 – Goldseekers Orienteering Club
- \$500 – Lifeline Central West
- \$500 – Panuara Recreation Reserve Trust
- \$250 – Blayney Dolphins Swimming Club
- \$250 – Canobolas Zone RFS Communications Unit
- \$250 – Carcoar Hospital Museum
- \$250 – Carcoar Mandurama CWA
- \$250 – Carcoar PA&H Society
- \$250 – Holy Trinity Anglican Church – Orange Peelers
- \$250 – Millthorpe Golden Memories Museum
- \$250 – Millthorpe Junior Soccer Club
- \$250 – Millthorpe Mozzies Junior Rugby Union Club
- \$250 – Millthorpe Public School P&C

- \$250 – Orange District Ministers Association
- \$250 – Orange & District Horticultural Society
- \$250 – Tallwood Rural Fire Service
- \$250 – Vinnies Night Van

**Total = \$8,250**



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## Cadia District Enhancement Project



### Telecommunications Project

- 2020 - Flyers Creek tower

### Roadside Waste Collection Service

- Small cost increase for residents from November 2019

### Weeds and Pest Management

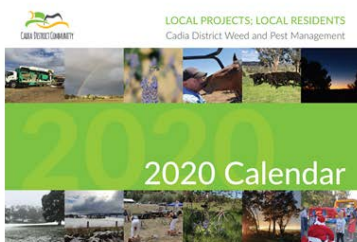
- 2020 Weed Calendar distributed
- 2020 – Weed Field Day focusing on farm technology

### Fox Baiting

- Baits distributed in April. 26 landholders received 1,115 baits

### Farm Trees

- Orders taken in April.



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**Question:** Why was the rural traineeship not going ahead? (**Mark Hodges**)

**Answer:** The applicant has left the district and chose to no longer proceed. (**Matt Armstrong**)

## GENERAL BUSINESS

### VISUAL AIDS

The committee sought additional diagrams and visual aids to present the NTSF repair options. Cadia will action for the next meeting.

## MINUTES

Cadia Valley Operations

Community Consultative Committee



## MEETING CLOSED

David Johnson closed the meeting at 8:04PM