

THE DIRT



CONCENTRATION GETS RESULTS

The Gidji Mineral Processing team set a new record during March, treating over 34,000 tonnes of concentrate through the two Ultra Fine Grinding (UFG) Mills. This is the highest throughput for 14 years at Gidji.

The previous record was achieved in February 2002, with 32,000 tonnes of concentrate treated using the two roasters (which have now been shut down) and a smaller UFG Mill.

"WE ARE ABOUT TO EMBARK ON A SERIES GRINDING OPTION WHICH WILL IMPROVE POWER EFFICIENCY..."

The new UFG Mill has performed extremely well since it was commissioned in 2015 and the Gidji team have been taking special measures to ensure it operates at maximum efficiency. As KCGM Senior Metallurgist Neville McDonald explains, their approach includes a focus on temperature regulation.

"We take precautions to control

temperature as the mill generates a significant amount of heat during the grinding process; the mill will actually shut down automatically when the discharge temperature reaches 70°C. This limit is designed to protect the internal components of the mill as several of the discs are very heat-sensitive."

To find the optimal balance between throughput and temperature regulation the team commenced a trial on February 25th. They started throughput at 33 tonnes per hour at 8:30pm and gradually increased the rate to reach 40 tonnes per hour at 2:30pm the following day. By 10:00pm that day they had

returned to a steady 36 tonnes per hour and remained at that rate until the end of March.

Neville is excited about exploring further efficiency opportunities. "We are about to embark on a Series Grinding Option which will improve power efficiency and is expected to result in a minor increase in throughput; we may even get to beat the March record."



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Welcome to edition 89 of The Dirt. I usually try to make the Welcome Message 'light and easy' but I need to share with you a serious subject that is very important to me.

It's a tragic reality that people are killed in Australian workplaces, and as of the beginning of April, 27 people have been killed at work in 2016. The Vital Behaviours Remembrance Days are our way of remembering those individuals who have passed away at KCGM and the impact those fatalities have had on their families, friends and workmates.

There hasn't been a fatality at KCGM since 2009; this is a result of everyone's continued safety commitment and the benefit of practical programs such as Vital Behaviours. We have a safety culture at KCGM where we believe a workplace fatality or injury is neither inevitable nor acceptable, and it's crucial to maintain that attitude if we're all going to go home safe every day.

As the Occupational Health and Safety Manager, it's my job to ensure everyone

has the necessary skills, knowledge and resources to stay injury-free and make their work area as safe as possible.

When it comes to understanding and controlling Fatality Risks, our frontline employees and supervisors have the most 'skin in the game' as they have the most exposure to day-to-day, operational work. These people are already doing an excellent job in building our understanding of workplace risk and embedding initiatives like the Vital Behaviours. I want to take this opportunity to thank you as without your support my job would be impossible.

Vital Behaviours is a key process for engaging our workforce and maintaining safety culture. Follow Procedures, Speak Up, Manage Fatigue and No Rushing are the behaviours which will prevent serious injuries and fatalities, helping us on our journey toward zero-harm.

Keep up the good work!

Helen Anderson
Occupational Health and Safety Manager

THE DIRT

HAVE YOU GOT SOMETHING DIRTWORTHY? DON'T JUST READ IT BE PART OF IT...

The Dirt is produced and edited by the SER Department.

If you have any news, photographs or stories to contribute contact:

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EVENTS

APRIL 2016

17

Boulder Market Day

EXECUTIVE VISIT



Stephen Dumble, recently appointed Regional Senior Vice-President for Newmont Asia-Pacific spent a day touring KCGM last week, meeting employees and getting to know more about our operations.

The day's packed schedule began with the W426 Fimiston Maintenance Team's pre-start meeting before heading to Harvey Hut for an overview of our Open Pit operations.

At Harvey Hut the Mining team presented on Full Potential projects, improvements to Voids Management and opportunities

surrounding Open Pit reserves and exploration.

From there it was off to the Daily Performance Hub meeting with Superintendents and Managers, followed by an overview of KCGM from the Senior Leadership Team.

Mt Charlotte was the next stop on the itinerary, with Stephen spending a couple of hours touring the underground operations and speaking with people from different work groups.

The Mineral Processing and Assets teams then took the opportunity to show some of

their current projects and plans, before touring the Mill.

The final stage of the day included a visit to Gidji and a general inspection of the processing facility before returning to Fimiston for a meeting with KCGM General Manager Ian Butler.

Stephen was impressed with the work being done across site, saying he was encouraged by the commitment to continuous improvement shown by everyone he met and is looking forward to working with KCGM to make the most of our future opportunities.

KCGM's aim is to mine in areas which will give us the most amount of gold with the least amount of waste. That might sound simple but it relies on a complex and sophisticated process known as Grade Control, undertaken by KCGM Geologists.

Meet Sarah Dyer, Graduate Mine Geologist at KCGM. Sarah moved from Melbourne to Kalgoorlie-Boulder in 2014, working with Silverlake Resources before joining KCGM just over a year ago.

Sarah explains the importance of Grade Control. "We need to quality check and assure the grade and the variability of the ore that we mine. Using drill hole data we then sort the ore into different grade brackets so it can be mined and processed efficiently and cost-effectively."

Having the opportunity to develop knowledge and skills keeps Sarah

THE PROFILE

SARAH DYER



enthusiastic about her role. "It's good being able to work with a number of departments across site and everyone in my team is really encouraging; we all learn from and support each other, which makes this a great place to work."

Apart from the warmer weather, the biggest difference Sarah has noticed since moving from Melbourne is the sense of community here. "I enjoy getting out, meeting new people, playing sport and staying active. It's easier to get involved in the community here and you can feel that it's a friendlier place."

Sarah also keeps busy as a regular volunteer, both at KCGM events and for the Australasian Institute of Mining and Metallurgy (AusIMM). Somehow Sarah also finds time in her busy schedule for her other three loves; gardening, blogging and walking her dog Ratchet.

VITAL SIGNS



This month, KCGM Mine Maintenance Superintendent Matt Leske shares his insights into our Vital Behaviours.

“Vital Behaviours have become an integral part of our workplace culture here at KCGM, and demonstrating these behaviours is simply ‘how we do things around here’. One of the keys to ensuring our Vital Behaviours are sustained and remain embedded in our culture is through our new employees.

I want to highlight the great work being done in this area by the Otraco team here on site. Cameron Read is one of Otraco’s trainee tyre fitters and, as with all of their trainees, Cameron has found the Vital Behaviours are central to his team’s work and attitude to safety. ‘As soon as we started, I could see the Supervisors and Project Managers really walk the talk when it comes to safety behaviour expectations. It makes us trainees feel

safe and encourages us to follow their example.’

It can be hard being a new starter because often you feel you have no right to speak up or should be ‘keeping your head down’ if you see or feel something isn’t safe. The Otraco team teach their trainees that their perception is as important as anyone else’s on the team when it comes to safety.

Otraco Project Manager Graham Latter explained to me why this approach is important. ‘You don’t have to be a Supervisor, Manager or have a ‘leader’ job role to be a leader in safety. To be a leader all you need is the courage to speak up when something doesn’t look or feel right. If procedures aren’t being followed, if you feel you’re being rushed, or if you’re feeling fatigued, speak up.’

I encourage all work groups across site to continue the approach taken by the Otraco team. It’s crucial to instil the confidence to speak up in our newest employees; it’s the only way we’re going to ensure the Vital Behaviours remain at the foundation of our safety culture”.

OVER HERE TO VOLUNTEER

KCGM employees are encouraged to volunteer for a range of community activities, events and organisations.

Volunteering has a meaningful, positive impact on our community; you play a huge role in making our corner of the world better for everyone who lives in Kalgoorlie-Boulder.

KCGM’s relationship with the Kalgoorlie Boulder Volunteer Centre (KBVC) has introduced new opportunities for KCGM Volunteers, with a vast range of interesting and rewarding activities to get involved in. Serving breakfast to school children, assisting with Soup Patrol, helping people with disabilities, gardening, or even playing the piano are just some of the opportunities on offer.

Any volunteering hours performed for KBVC activities are recorded and count toward your KCGM Volunteering hours, putting you in the running for KCGM’s Volunteer of the Year Award. Simply identify yourself as a KCGM Volunteer with KBVC when you register.

If you have an interest in Goldfields history, Outback Family History Researcher and Archivist Moya Sharp is looking for volunteers to assist with transcribing historical information. Hannans North Tourist Mine also has a number of interesting projects on offer. Both of these opportunities will count toward your KCGM Volunteering hours.

For more information or to sign up with the KBVC, head to the Volunteering page on

the KCGM intranet: Quick Links > Site Information > Volunteering or contact the Community Relations Team on 9022 1662 (ext.1662).

You never know where volunteering can take you!



CHAMBER TOUR



Executives from the Chamber of Minerals and Energy (CME) visited KCGM at the beginning of April. Reg Howard-Smith (CME Chief Executive), Julie Hill (CME Director Corporate Services) and Holly Phillips (CME Eastern Region Manager) visited us on 1st April to stay up to date with KCGM operations and our plans for the future.

Following a chat with General Manager Ian Butler, the group was taken on a tour of the Open Pit by Mining Manager Steve Price and Mining Production Superintendent Mark Shaw.

The CME represents the collective interests of companies involved in minerals and energy exploration, production and processing in Western Australia so as

Steve explains, there was a range of topics discussed during the pit tour. "The CME were interested in a number of different aspects of our operations including the Life of Mine, vehicle payloads and our management of voids."

The tour continued at Mt Charlotte where the group were escorted by Underground Superintendent Nick Chernoff. Nick provided information on a number of underground areas and also took the group to view the Hidden Secret ore drives. "I think they really enjoyed the underground tour. It's not often people get to experience the underground environment so for them it was pretty special", Nick said.

HEALTH MATTERS - EYE SAFETY



Loss or deterioration of your eyesight can have a dramatic effect on quality of life, impacting not only the ability to perform your job, but your daily routines as well.

Common workplace eye hazards include:

- Chemicals
- Foreign objects
- Protrusions
- Excessive UV or bright light exposure

Wearing the correct eye protection for the task or conditions will greatly reduce the risk of eye injury or sight deterioration. Always follow PPE procedures and speak with your Safety Advisor if you are unsure of the correct eye protection to wear.

It is important to get regular eye checks from an optometrist. Early diagnosis can prevent a number of debilitating eye conditions before they result in serious damage and sight loss.

For more information on looking after your eyes, contact the KCGM Occupational Health Nurse on 9022 1536.



STRATEGISE



KCGM's 2016 Strategy Map posters have been going up in conference rooms and noticeboards across site. Alongside these you will see posters showing your Department's Strategic Plan and how it supports both the KCGM Strategy and the

Newmont Asia Pacific (APAC) Strategy. In the major meeting rooms there will be additional posters showing the linkage through to the Newmont Global Strategy.

All of our site and personal Key Performance Indicators (KPIs) have been developed to achieve these strategies. The posters will give us all a clear visual reminder of how our work teams and we as individuals will contribute to the success of both KCGM and our JV Owners.

The posters also provide a simple reference tool to provide guidance for planning decisions, so have a look and see how we all fit into the big picture.

MAJOR MILESTONES

15 Years of Service:

Mining

Peter Giles
Nevina Zadow
Peter Juhnke
Murray Spalding
Chitra Gurung

10 Years of Service

Mining

Phillip Jones
Mineral Processing
Peter Todd
Victor Cooper
Evyann Noblet

Mine Technical Services

Ira Pitama

5 Years of Service

Mining

Rhys Chadburn
Dale Armstrong
Aaron Skelton
Shelly Sperring
Greg Maugeri

Mineral Processing

Peter Barron
Scott Kaye
Norman Barr

Business and Administration

Meagan Ibbott

Assets

Stuart Kempin
Mark Kafer

Mine Technical Services

Yu Hao
Ryan Jones
Jahn Darbritz
Stanley Kulunga
Richard Henman
Chris Fanetti

MARCH CORE VALUES CHAMPIONS

Melodee Leggerini, Truck Operator:

Melodee noticed water was being pumped from the fuel farm sump to a nearby mineshaft. Recognising an environmental hazard, Melodee immediately halted the pumping and reported the incident.

Natasha Bowerman and Richard Hite,

Maintenance Service Technicians (Force), and **Lee Day**, Grader Operator: Natasha and Richard were driving up O ramp and Lee was grading at X Ramp 240 when they all noticed a truck veer across the road and clip the pit edge windrow. They immediately called the operator to ask if they were ok.

Jahn Darbritz, Geotechnical Engineer:

Jahn successfully managed supervision of the X Ramp Remediation Project during the rope access phase, coordinating communications with production personnel, supervising high risk work and sourcing essential equipment to ensure a safe and productive outcome.

Chloe Smith, HR Advisor and Michelle

Marcinkowski, CI Specialist: Chloe and Michelle spent considerable time and effort developing a system which analyses employee leave information, ensuring rapid identification of any leave gaps for reconciliation.

Neville McDonald, Senior Plant

Metallurgist: Neville implemented a method to circulate carbon upstream in the leach circuit with minimal cost and impact on safety or production.

Emma Littlely, Plant Metallurgist:

Emma delivered an innovative solution to excess water and UFG overheating issues with minimal cost and impact on safety, production or the environment.

Terri Waddington, Security Team Leader:

Terri volunteered to work during a planned leave period to cover a staffing shortage.

Shaun Moulds, Maintenance Fitter:

Shaun assisted an injured colleague at the time of the incident and also assisted the OHN and SFAO with placing the injured person into the ambulance. Shaun then attended hospital to assist with removing the person from the ambulance.

Paula Lally, Business Analyst:

Paula identified a supplier overpayment from 2011 that had been followed up many times to no avail. Paula researched legal avenues, collection agencies and consulted with Newmont's legal counsel to identify the best path and receive \$10k back from the supplier.

John Ward, Safety Superintendent:

John noticed a KCGM employee cycling along Boorara Road. As it was nearing dusk and they were wearing dark clothing, John stopped and had a safety conversation with them. The cyclist now rides wearing reflective clothing.

Scott Straub, Driller (Ausdrill):

Scott went above and beyond to assist Voids personnel in familiarisation with a drill rig, sharing extensive knowledge to improve the Voids tape-change process.

David Chiarenza, Leading Hand

(Westrac): David took the initiative to get the Heavy Vehicle Wash Pad back to operation and rectify numerous leaks, replacing faulty valves and water cannons which had been defective for months

Ed Zunic, Graduate Mechanical Engineer:

Ed was seconded to Mt Charlotte Maintenance team to assist while they were short on personnel. Ed assisted the Maintenance team with daily mobile maintenance performance monitoring, planning, scheduling and procuring parts. Ed assisted Mt Charlotte whenever and wherever needed.