It’s Rodeo time in the Isa

Zinc-Lead Concentrator slashes water consumption

2013 NAIDOC Week
From the COOs

Our sites in north Queensland have long and proud traditions within the communities in which they are located. Their names are often synonymous with the communities themselves.

So it will please many people to know that as we go forward as Glencore companies, the names will not change. Mount Isa Mines, Bowen Coke, Ernest Henry Mining, Copper Refineries and Lady Loretta will continue to be referred to by these names that everyone knows.

The only exception is the Townsville Port Operations which are now known as Glencore Port Operations as this team provides services to a range of operations and commodities within the region.

Over time, the Xstrata moniker will gradually disappear as new items are purchased or replaced and documents are reviewed and reprinted.

This approach reflects a firm focus on our operations. While we are part of a global diversified mining company, our attention is clearly on how we can help each individual site reach its full potential.

For most of our people on site, it means the badge on your shirts and hard hats will be the same one that generations have been employed under since the operations began.

For everyone in the community, it means the company you do business or partner with is the local company that you already know.

Nowhere is this better reflected than in the big community events sponsored by our operations. Each year, we proudly support the events that our communities enjoy and while the naming conventions of these events may change next year to the Mount Isa Mines Rotary Rodeo, the Mount Isa Mines Lake Moondarra Fishing Classic, the Townsville Glencore Greek Fest and the Ernest Henry Mining Curry Merry Muster Festival, our commitment to the communities where we operate remains unchanged.

Steve de Kruijff
Chief Operating Officer
Copper Assets Australia

Brian Hearne
Chief Operating Officer
Zinc Assets Australia

CONTACT THE EDITOR

Input from all our north Queensland operations is invited. Please contact the Editor, Lara Lavers, via email: lara.lavers@glencore.com.au or phone: 07 4744 2955.

COMMUNITY FEEDBACK HOTLINE

Our Community Relations team is responsible for engaging openly and honestly with our stakeholders, as well as responding to all community enquiries. If you have any questions or concerns about our operations, contact our 24-hour hotline on 1800 982 982.

MOUNT ISA MINES RUMOUR HOTLINE

The Mount Isa Mines Rumour Hotline is a confidential service for employees to ask questions about our business. All enquiries will be addressed by our senior management team and published on our intranet at around 3pm daily. You can choose to remain anonymous. To raise an enquiry, call 4744 1921.

Remember, always raise safety and human resources related issues with your immediate supervisor in the first instance.
The 1970s
A time of multiculturalism, mateship and progress

Today Mount Isa enjoys a diverse population with significant migrant and Indigenous communities. During the post-war era, as lead prices rose and ore production in Mount Isa was expanding, many immigrants crossed the dry plains in search of a higher wage and the prospect of a new life in Mount Isa.
By the 1970s, 52 different nationalities were represented in Mount Isa including Irish, Italians, Scottish, Greeks, Sicilians, Germans, Hungarians, Yugoslavians and Serbians. However, one of the most dominant cultures in our rich history were the Finnish, who helped build Mount Isa Mines and the Mount Isa community from the beginning.

The 1970s saw the growth, innovation and consolidation of Mount Isa Mines as a mining force within Australia and as a result Mount Isa’s population boomed from about 8,000 in the 1950s to 25,000 in the 1970s.

Making up these numbers was the large influx of immigrants who had travelled across the world chasing the relatively high wages paid by Mount Isa Mines. Among these were about 1,500 Finnish nationals who were renowned for their work ethic.

Mount Isa was certainly thriving, and the town’s newest residents soon gained a reputation not only as hard workers, but also for their love of a good time.

Clubs like the Finnish Club, Irish Club, the Concordia Club (German Club), the Caledonian Club (Scottish Hall) and the Italian Club sprang up across the town, and were full to capacity on most weekends.

Sport also flourished, with ovals and fields buzzing with excitement as games of football, soccer, basketball, softball and cricket – depending on the season – filled community members’ daylight hours on weekends. These weekend sporting rituals helped galvanise a sense of family and mateship in the growing community.

Mount Isa and the mine continued to flourish on the back of this camaraderie, growing in leaps and bounds through the 1970s.

In 1973 Mount Isa Mines commissioned a new copper concentrator, known as the No.4 Concentrator, to treat copper ore and the old No. 1 Concentrator was shut down. This project significantly increased production of blister copper at the time.

With the assistance of Mount Isa Mines the city opened the Mount Isa Civic Centre in 1974. In 1976 Lake Julius Dam was built on the Leichhardt River 100 kilometres north of Mount Isa, securing a water supply to meet the demands of the growing city.

In 1977 Mount Isa Mines began construction of an enormous stack for its lead smelting operations. Completed in 1978, the 270-metre tall, 22-metres in diameter at base behemoth stood sentinel over the city. Built to replace the previous stack, which stood at only 76 metres, the new stack significantly reduced the impact of smelter emissions on the community.

As the new lead stack was being built, Mount Isa Mines’ copper refining subsidiary developed the Isa Process copper refining technology. Today, the Isa Process is licensed by over 100 refining operations in the world, and is widely regarded as the preferred copper refining technology.

The 1970s played an integral role in the progress of Mount Isa Mines and the modelling of a community well known for its diversity and friendly and welcoming spirit.

“Mateship is part of the Australian legend. It is a quality of this nation which is universally admired and often coveted. It is a relationship of great sincerity between individuals and draws no social, economic or ethnic barriers. It is a welding of people not ideologies. We now live and work in an environment where ‘mateship’ is a tangible thing.”

Sir George Fisher, December 1969 (MIMAG)
In 1935 there were close to 1,500 Finns living in Australia, of which 210 were living in Mount Isa. At the time, there was a small Estonian community in Mount Isa, and as the two groups shared a common language they joined forces and the Finnish-Estonian club was established in 1935. Evenings of music and entertainment were organised by the Finnish-Estonian Club and attended by the Mount Isa community at large in all its diversity.

In 1940, when Great Britain declared war on Finland, Finns in Australia were declared ‘Enemies of the State’ and were taken into custody. Almost 100 Finnish migrants were interned in a camp outside Adelaide; however, for Finns in Mount Isa, the outcome was quite different. Given the considerable number of Finnish migrants working for Mount Isa Mines at the time, the company argued that if their most productive workers were to be taken away, some of its mining operations could not continue. As a result, the government issued a special permit exempting Mount Isa’s Finnish miners from the mandatory internment, allowing them to continue working and living freely in the community.

When the war ended, life once again normalised and in 1955 Mount Isa Mines donated a block of land to the Finnish community on which the Finnish Hall was built. This became a hub of cultural activity for the community.

By 1996 there were about 30,000 Finns in Australia. Most of the Finnish people settled in Sydney, Melbourne and other capital cities, but the mining town of Mount Isa was also a popular destination and has a significant place in the history of Finnish-Australian migration.

Sadly, the Finnish community of Mount Isa is slowly disappearing as our population ages, but its legacy will live on in our operations and in our city.
In the face of Mount Isa’s current water shortage we all need to play a role in minimising our water use.

Across site we are taking steps to reduce fresh water consumption and improve site water recycling. These measures are having a positive impact; throughout June Mount Isa Mines reduced its fresh water consumption by 10 per cent on the previous month. We are very proud of this result, and will continue our work to improve water-efficiency in all areas of our operations.

The Zinc-Lead Concentrator has successfully trialled the use of recycled water through the majority of the plant, significantly reducing fresh water consumption across the board. In June we successfully trialled the use of recycled process water to replace fresh water in the lead cleaner circuit which has now reduced the Zinc-Lead Concentrator’s daily fresh water consumption by almost 50 per cent.

The Zinc-Lead Concentrator team is now investing in a major water conservation project that will ensure fresh water consumption remains at a sustainable level. This project involves pumping water captured at the Kennedy Siltstone Open Cut (KSOC) quarry, located to the north west of our Mount Isa surface infrastructure, to the concentrator.

The $1.4 million project, which includes the construction of three kilometres of pipe work, has the potential to reduce our freshwater consumption at the Zinc-Lead Concentrator by as much as 2,000 megalitres every year.

Still in its early stages, the project is due for completion in November this year.
QMEA students on course for mining careers

Students from across the state kicked off Term 3 of the school year with new inspiration following a week-long experience at Mount Isa Mines.

Over the June school holidays, 36 Queensland Minerals and Energy Academy (QMEA) students descended on Mount Isa for the 2013 QMEA Mount Isa Mines Engineering and Trades Challenges. The QMEA is a joint initiative between Queensland Resources Council (QRC) and Education Queensland with a focus on attracting young people into the resources sector. Mount Isa Mines is one of QMEA’s five Platinum Foundation Sponsors.

Following the success of the previous camps the students travelled to Mount Isa for seven intensive days of hands-on activity on the Mount Isa Mines site.

Sue Wicks, Acting Senior Training and Development Advisor Mount Isa Mines says the camps aim to provide real-world context for high-flying Year 11 maths and science students with an interest in trade or engineering careers in the mining industry.

“The QMEA Challenge experience provides students with an opportunity to explore the mining industry first-hand to get a taste of what life is like as an engineer or tradesperson,” Sue says.

“This provides them with the knowledge they need to make informed decisions when considering a career in the mining industry and assists them in selecting career pathway options when they graduate from high school.”

During the challenge, students worked collaboratively with industry representatives to solve real workplace problems while also learning more about our operations through site tours and visits to our workshops.

Jade Sparks from Kirwan State High School in Townsville says she would like to pursue a career as a mechanical engineer in mining following her participation in the QMEA Engineering Challenge.

“The Engineering Challenge saw us investigating how to reduce the reliance and impact of a mining operation on the regional water network,” Jade says.

“We worked with Mount Isa Mines staff to identify options for the re-use of waste water from local power stations.

“It was a great opportunity to combine my new experiences and curriculum knowledge to suggest real solutions for industry.”

On the final day of the challenge, students presented their findings and recommendations to Mount Isa Mines’ senior management team.

For more information on the QMEA Mount Isa Mines Engineering and Trades Challenges, visit qmea.org.au.
It’s Rodeo time in the Isa

In the second week of August every year, thousands of people converge on the ‘Rodeo Capital of Australia’ for the Mount Isa Rotary Rodeo, proudly sponsored by Mount Isa Mines.

With more than 500 of Australia’s best cowboys and cowgirls lining up for more than $200,000 worth of cash and prizes, the Mount Isa Rotary Rodeo is the biggest and richest rodeo in the southern hemisphere.

As Mine to Market went to print, Rodeo 2013 had kicked into full swing with a week-long program of events planned including the Rodeo Queen Quest Ball, Best Dressed Premises competition, Zonta Bush Poets Breakfast, Mailman Express Sprint Time Trail, Mardi Gras street parade, Brophies Boxing Tent, Queensland Rail Bulls Masters exhibition cricket match and Rodeo Twenty20 competition as well as a blistering entertainment line-up headlined by urban country band Will Day and the Alibis.

Donna Kuskopf, General Manager Mount Isa Rotary Rodeo says interest from visitors and rodeo fans was high this year as Mount Isa celebrates its 90th anniversary.

“Once you’ve been to the Isa Rodeo you understand why people come back year after year, or are prepared to drive hundreds of kilometres to get to rodeo weekend,” Donna says.

Keep an eye out for the next edition of Mine to Market, where we’ll bring you all the world class rodeo action in our 2013 Mount Isa Rotary Rodeo special.
Mine to Market e-flipbook takes off!

This month, we launched the Mine to Market e-flipbook, now providing a highly interactive, interconnected and agile electronic reading experience for our valued audience.

You can subscribe to the Mine to Market e-flipbook by contacting the Mount Isa Mines Community Relations team on 4744 2011, or by emailing lara.lavers@glencore.com.au. You can also access the Mine to Market e-flipbook via the Mount Isa Mines website.

By introducing the Mine to Market e-flipbook we will print 21,300 less hard copies of Mine to Market every year. This is a huge achievement for our business in terms of cost saving and improved environmental performance. It builds on our efforts to make Mine to Market a more environmentally conscience publication, which began with our switch to printing on FSC Certified recycled stock in 2012.

For more information or to subscribe to the Mine to Market emailing list, contact a member of the Mount Isa Mines Community Relations team on 4744 2011.

‘Books in Homes’ gets kids reading

Hundreds of school children now have new story books to add to their home collections thanks to Glencore’s support of the ‘Books in Homes’ reading program.

Excited students from ten schools across Mount Isa, Cloncurry, Camooweal, Townsville and Bowen collected their books from Glencore’s managers who saw first-hand the joy that reading can bring to kids’ lives.

Through the program, school children are helped to improve their literacy skills and develop a love of reading through the provision of books.

St Kieran’s Catholic Primary School students from Prep to Year 7 received their books from Tony Page, General Manager Human Resources Copper Assets Queensland.

“The book giving ceremony was a rich and rewarding experience I know will bring lifelong rewards for the students,” Tony says.

“For children to have a positive attitude to reading, they must not only be exposed to books but have access to owning them which is the real strength of the program.”

Glencore forged a partnership with the Books in Homes reading program in 2006 and has committed around $600,000 to the program over the past seven years.

Nearly 2,000 north Queensland children will have access to the much-needed books through the program over the next two years.
Bright sparks graduate from industry-leading training program

In July, a group of talented tradespeople completed Mount Isa Mines’ inaugural, locally-delivered instrumentation training program.

Twenty-six electricians from Mount Isa Mines, two from Ernest Henry Mining and two from Mica Creek Power Station completed the 18-month course, receiving a nationally recognised Certificate IV in Electrical Instrumentation and achieving the competency required to manage and maintain the high-tech electronic field instruments critical to modern mining and processing operations.

Developed in collaboration with RMIT University and SAGE Didactic and designed specifically to confront the operational challenges of the mining sector, the training program ensures participants have the skills required to manage and maintain the high-tech electronic field instruments critical to modern mining and processing operations.

Kerry Brisbane, Mount Isa Mines Skills Centre Electrical Team Leader says our involvement in the course was born of necessity; to meet our need for qualified tradespeople to take care of our key operational instruments, and to address the lack of suitable, locally available training.

“To ensure our mines stay productive and safe, we need to be capable of repairing, maintaining and calibrating our electronic field instruments, which play a critical role in monitoring and controlling our processes,” Kerry says.

There wasn’t a training program available in Mount Isa that fulfilled the operational needs of our business, so instead of flying our electricians to Brisbane for training blocks, we decided to create a platform where a specially designed and optimised program could be delivered locally.”

Casey Elrick, Electrician Mount Isa Copper Operations (MICO) Infrastructure received the program’s inaugural Dux of the Class award. Casey is a product of Mount Isa Mines’ apprentice training program and in the first year of his apprenticeship took out the Mount Isa Mines Apprentice of the Year award, chosen from a pool of 200 first to fourth-year apprentices employed across our business.

The second group of electricians to take part in the program commenced their first block of training on 24 June.

“Process control instrumentation requires highly-skilled, specialised tradespeople,” Kerry says.

What is instrumentation?

Modern mining methods use a range of electronic automation technology to monitor and control our mining and processing operations. These include:

- Automated valves
- Sensors
- Transmitters
- Flow gauges
- Analysers

These sensitive pieces of equipment play a vital role maintaining the optimum temperatures, flows, pressures, levels and weighing in our processing areas, and can detect changes in these environments long before they would be picked up using traditional methods.

Up-skilling with an instrumentation qualification equips our electricians to repair, maintain and calibrate the suite of delicate process, automation and control instruments that help ensure our operations stay productive and safe.
Zinc-Lead Filter Plant upgrade on track

Scheduled to come online before the end of the year, the upgraded Zinc-Lead Filter Plant facility will play a key role in increasing market opportunities for our business by allowing us to process and transport more zinc-lead products from Mount Isa.

Designed to increase the capacity of the current Zinc-Lead Filter Plant from 850,000 tonnes to more than 1.3 million tonnes of zinc concentrate per year, the upgraded facility will also enable us to process, store and transport up to 450,000 tonnes of lead concentrate every year, adding another valuable product to our market portfolio.

Brian Hearne, Chief Operating Officer Zinc Assets Australia says the decision to move into the production of marketable lead concentrate comes as increased ore production at our Lady Loretta operation and expanded George Fisher Mine will see us not only exceeding the current filtration capacity of our Zinc-Lead Filter Plant, but also bypassing the throughput capacity of our Lead Smelter.

"By getting a new product to market, we’re giving ourselves more flexibility in how we operate. It adds to our long-term viability in the region," Brian says.

The new facility features an expanded storage area and a new rail loading terminal designed to improve our environmental performance.

With a lower emissions profile than the lead smelter, the expanded Zinc-Lead Filter Plant will allow us to produce a marketable product even during periods of smelter downtime in compliance with our Air Quality Control management processes.

In 2012 alone, westerly winds restricted our lead smelter operations with complete shut downs for 777 hours, or a total of more than one month of the year. The facility boasts a range of systems to minimise dust emissions and maximise water efficiency, including enclosed conveyor lines and a concentrate storage area fitted with a negative pressure wet scrubber filtration system that will prevent 99.9 per cent of dust particles escaping into the air.

Additionally, a series of wash down bays have been installed to rinse trace dust from sealed rail wagons as they leave the loading terminal, inhibiting the transfer of dust off site. Water used in the wash down bays will then be captured and recycled through the process system; one of a number of steps taken across our operations to minimise our freshwater use.

For more information on the site projects and initiatives implemented as part of our commitment to improved environmental performance, visit the Mount Isa Mines website www.mountisamines.com.au.
Improved water efficiencies at EHM

Dry weather conditions in north west Queensland and a business focus on continuous improvement have been the catalysts behind achieving better water efficiencies at Ernest Henry Mining (EHM).

Our region suffers from an evaporation rate of more than three metres every year – a fact that challenges households, pastoralists, councils and businesses alike. Evaporation is the major cause of water loss at EHM, identified by various water usage models applied by our team of senior site representatives. In the past, our site process water was fed into the Production Evaporation Dam (PED) where a large surface area assisted a high volume of evaporation.

As a result of a site water efficiency review conducted last year, the site water team created a small Capture and Re-use Dam (CARD) within the PED to trial the re-use of that process water back in the concentrator.

Brendan Callaghan, Manager Sustainable Development EHM says this project proved valuable to our operations, and civil work to expand the capacity of the CARD were completed in May so more water can be captured and reused.

“We dug the CARD expansion as a long, narrow and deep trench and left a spillway to fall into the original CARD where pumps take the water back into our operations. This ultimately provides the opportunity to divert the additional water before it has the chance to evaporate.”

As a result, our reclaimed water capacity has expanded from 15 to 58 megalitres; the equivalent of 17 Olympic-sized swimming pools.

“Combined with the other water saving initiatives we are implementing across site, we are achieving an excellent water conservation result,” Brendan says.

The deep and narrow channel design of the expanded Capture and Re-use Dam minimises water lost to evaporation at EHM.
FAR LEFT: Mount Isa Centre for Rural and Remote Health in the NAIDOC March

LEFT: 2013 NAIDOC March crosses the Isa Street Bridge
Mount Isa Mines proudly supported the 2013 NAIDOC Week in our community with a number of local activities held in July.

This year’s national NAIDOC festivities celebrated the 50th anniversary of the presentation of the Yirrkala Bark Petitions to the Federal Parliament where the Yolngu people of Yirrkala in north east Arnhem Land sent two bark petitions to the Australian House of Representatives.

Asserting title to Yolngu country under Yolngu law, the bark petitions were the first traditional documents recognised by the Commonwealth Parliament and helped to shape our country’s acknowledgement of Aboriginal people and their land rights.

This year we continued our sponsorship of the annual Elder’s Luncheon in Mount Isa where over 120 Indigenous Elders shared memories, the challenges and successes of the past and hopes for the future along with a three course meal, entertainment and speeches.

Mount Isa Mines also hosted a stall at the 2013 NAIDOC Family Fun Day with about one hundred people enjoying markets and entertainment at George McCoy Park.
Lady Loretta hits production milestone

Lady Loretta has commenced stope mining, marking the start of delivering production ore several months ahead of schedule.

Until recently, all ore mined was development ore, collected from developing the mine decline and access levels.

Chris McCleave, General Manager Lady Loretta says with mining ramping up to full production of 1.6 megatonnes per annum by 2016, the mine is already a critical source of high-grade ore into the Mount Isa supply chain.

“Ultimately, Lady Loretta’s high-grade zinc will increase the annual average zinc production from the Mount Isa region by around 20 per cent,” Chris says.

“Our production performance shows tonnes tracking ahead of expectations. It’s an excellent achievement for everyone involved.”

The long-term stoping method at Lady Loretta Mine is ‘bottom-up’ stoping, where mining occurs at the bottom of the deposit, working our way to the top.

To accelerate ore production, the Lady Loretta mining team visited several Western Australian mines to look into a top-down longhole stoping method. After early trials and analysis, this method was successfully adopted by the mine as work on the mine decline and access levels continues. Once complete, the mining team will revert to bottom-up stoping.

The production ore milestone has been supported by a number of site construction achievements including successfully commissioning the Paste Plant, completing the 180 megalitre main containment dam, the 25 megalitre dam for the paste and shotcrete plants, and five associated sediment ponds and surrounding road infrastructure.

Along with others, these dams have been engineered to capture run-off from across the site during a rain event, allowing removal of sediment, management of water quality and recycling.

Overseas, fabrication of a crusher has begun in China. Once complete, the equipment will be transported to Lady Loretta and assembled on site. It will then be used to crush ore bound for Mount Isa for further processing.
ABOVE: Lady Loretta’s Paste Plant has been successfully commissioned and is now in production

LEFT: Lady Loretta’s new Fuel Farm is now operational

RIGHT: Looking south-west over the Lady Loretta site towards the newly completed Concrete Batch Plant and near completed containment dams
Mount Isa Copper Operations (MICO) has reaffirmed its long-standing support of Mount Isa’s premiere tourist centre Outback at Isa, completing $60,000 worth of in-kind refurbishment work at the facility’s Hard Times Mine.

A team of MICO underground operators have spent the past eight weeks carrying out maintenance and installing vital ground support in areas of the exhibition’s 1.5 kilometres of underground tunnels, with rock bolts and support mesh kindly donated by local suppliers.

Mike Westerman, Head of Mining North Queensland Copper Operations says supporting the Hard Times Mine is important because of the role the centre plays in preserving Mount Isa’s rich mining history.

“The centre provides our community with a record of the industry and the people who have shaped our city, how our practices have evolved over the years and the hard work and innovation that have made Mount Isa Mines one of the world’s most productive and respected mining operations since ore was first discovered here 90 years ago,” Mike says.

“The Hard Times Mine experience gives visitors a real sense of what it’s like to work in an underground mining environment, and the tour provides them with an understanding of what it takes to deliver the minerals required to produce the items we rely on every day.”

Outback at Isa hosts about 35,000 visitors every year, with about 7,500 tourists kitting out in orange overalls, steel-caps, hard hats and cap lamps for a tour of the Hard Times Mine.

Katrina Hughes, Manager Outback at Isa says the support Mount Isa Mines provides to enrich the Hard Times Mine experience is incalculable.

“From the initial development of the Hard Times Mine to today, we have been very fortunate to have the support of Mount Isa Mines,” Katrina says.

“Over the years Mount Isa Mines has donated a huge variety of historical mining equipment used in the Hard Times Mine tour, assisted in maintenance and repairs, and provided us with everything from ore samples to gum boots and even mucking units and heavy machinery.

“This allows us to add new features to the tours, refresh displays and update equipment, providing new experiences for visitors and locals alike.

“For us it’s not just the material support, it’s the skills and knowledge the company has provided over the years. We wouldn’t be here without that support and we look forward to continuing to work with Mount Isa Mines for years to come.”
Partnership success celebrated with grand openings

Ernest Henry Mining (EHM) and Cloncurry PCYC celebrated two successful partnerships with the official opening of the Curry Men’s Shed and the Cloncurry PCYC and EHM Community Gym in July.

The Curry Men’s Shed is run by a steering committee and aims to improve the health and well-being of local men through a wide variety of projects as well as discussion groups by local health experts.

The Cloncurry PCYC and EHM Community Gym was officially opened with the help of special guest, Townsville Crocodiles’ Head Coach, Shawn Dennis and player, Peter Crawford.

Sergeant Mick Maguire, Branch Manager Cloncurry PCYC says the project will make the club fully self-sustainable, allowing them to pour funding back into youth programs.

“The gym is here to provide the income to support our youth development programs,” Michael says.

“The extra revenue will help us run more programs on a bigger scale to engage Cloncurry youth in a positive and beneficial way.”

Myles Johnston, General Manager EHM says the gym will open many doors for Cloncurry PCYC and the wider community.

“Cloncurry PCYC is a vital organisation in the Cloncurry community and the gym will not only provide funding for youth programs, it will provide employment opportunities for locals and personal development for current PCYC employees,” Myles says.

The establishment of a local gym was identified as a priority for the Cloncurry community after the only privately owned local gym closed its doors in December 2011.

TOP: Income from the Cloncurry PCYC and EHM Community Gym will bring more programs like Stride Foundation’s ‘On the Ball’ program, a current EHM partnership, to Cloncurry kids

ABOVE: Rob Katter MP, State Member for Mount Isa, Myles Johnston, General Manager EHM, Sergeant Michael Maguire, Branch Manager Cloncurry PCYC, and Andrew Daniels, Mayor of Cloncurry unveil the new Cloncurry PCYC and EHM Community Gym signage
Four squads from Mount Isa Mines and Ernest Henry Mining (EHM) participated in a number of challenges during the event including search and rescue, fire and hazardous chemical response, multi-casualty accident and road accident rescue.

The Queensland Ambulance Service (QAS) and the Queensland Fire and Rescue Service (QFRS) assisted with the events during the challenge enhancing our squads’ professional development by providing coaching on best practice medical, fire and hazardous management techniques.

The road accident rescue event required the management and extraction of patients from a simulated vehicle incident, while the search and rescue event tested each squad’s ability to find and extract personnel in a simulated underground mine environment.

The fire and hazardous chemical event was run by the QFRS, who tested squads’ responses to a scenario where fire and hazardous chemicals posed a serious threat.

The multi casualty event put the squads’ first aid skills to the test, as well as their ability to manage and prioritise injured patients while under pressure.

Mount Isa Mines ‘B Team’ took out the overall competition, with squad Captain Kotabi Ilpola and Vice Captain Greg Bostock leading squad members Tim Double, Doug Ball, Leo Corica and Nathan Thompson to competition victory.

Mount Isa Mines ‘Team Three’, made up of Captain Myles Kelly, Vice Captain Jimmy Allrutt and squad members Denis Piltz, Aaron Kimber, Eli Vincent and Alex Coggins won the First Aid Award for their performance throughout the day.

Darren Bracey, Emergency and Protective Services Superintendent Mount Isa Mines says the challenge provides an opportunity for our teams to test the skills they’ve learnt during training in realistic scenarios with quality feedback from experienced emergency response practitioners.

“The event provides a challenging and realistic environment where the squads feel the pressure of the rescue, while still being in a controlled, safe learning environment,” Darren says.

“This experience helps them to develop their skills in a shorter timeframe.”

Strength, fitness, determination and teamwork were required to complete the events that made up the 2013 Mines Rescue Challenge held onsite at Mount Isa Mines in July.
The Mount Isa Mines Rescue Squad full compliment consists of 20 copper and 17 zinc employees, while EHM’s squad consists of 40 employees and contractors. Mount Isa has six teams that rotate on-call to respond to emergencies. These employees are from the underground and surface workforce.

Mines Rescue plays a vital role in our emergency management approach, providing first responder capabilities to incidents across our operations.

Mines Rescue personnel train over 100 hours per year and while this training provides the theory and competency aspects of mine rescue, the Challenge allows the teams to be tested with realistic and time pressured scenarios, ensuring they are exposed to up-to-date techniques.

Workers who join the program can save hundreds of dollars by receiving a free Quit Kit, regular counselling support from the Quitline 13 QUIT (13 7848), and free Nicotine Replacement Therapy products including patches, gum or lozenges over a 16-week period.

Research shows that most smokers want to quit and more than 75 per cent have made at least one attempt. Quitline is a state-wide confidential telephone service that has been helping people to quit smoking for over a decade. Since Quitline’s workplace program was introduced in August 2011, more than 2,800 people have participated in the initiative.

Maryann Wipaki, Manager Sustainable Development Mount Isa Mines says the mining industry’s 27 per cent smoking rate – five per cent above the national average – was a statistic she hopes to see reversed through company support at Mount Isa Mines.

“Deciding to quit is the first step and we are proud to offer our people the support they need to succeed,” Maryann says.

“Through our partnership with the Queensland Government, we aim to build a healthier, happier and stronger workforce. The Quitline initiative is one of several health and wellbeing programs available through work and during 2012 we launched a range of health management initiatives including weight and fitness management, mental health awareness and fatigue management programs.

“Our partnership with Quitline continues our interest in improving the lives of our people and their families,” Maryann says.

Mount Isa Mine’s zinc employees, partners, spouses and other immediate family members of participating employees are entitled to join. Mount Isa Mine’s zinc contractors are also eligible to sign up.

The Queensland Government provides this program as part of the joint Australian, State and Territory Government Initiative under the National Partnership Agreement on Preventive Health.

For more information or to join, contact your relevant Safety Advisor via email isahealth@xstratazinc.com.au or call 0478 494 525.
I am a training advisor at the Townsville Copper Refinery, so I look after all of the training requirements of our people at the Refinery and Technology businesses. That includes designing and delivering new training programs, coordinating training for our people and ensuring our business’s training practices remain up-to-date with current legislation and industry best-practice. I also provide support to the Glencore Port Operations. Looking after the training and development needs of more than 150 people is a big job and definitely keeps me busy.

I was born in Glasgow, Scotland, and emigrated to Perth when I was 11. When I turned 18 I joined the Australian Army, where I served for more than 21 years. During my time in the military I rose through the ranks to Warrant Officer, when I was offered a Senior Military Instructor – Meteorology and Survey post working for The School of Artillery; the army’s version of TAFE College. There, I helped equip high-potential candidates with the skills they needed to be promoted from the rank of Private to Major.

My time in the army helped me realise my knack and passion for helping other people develop their skills so they can succeed in their careers and achieve their personal goals. This experience provided me with a strong grounding in people management and communication. It also taught me to be confident, proficient, regimented and to work well in a team environment. These skills have helped me to deliver high quality training and connect with people since joining the Townsville Copper Refinery team in 2011.

Improving safety and achieving efficiency through people development

I am really passionate about designing new training programs and improving existing programs so that they better serve the needs of the business while developing our people. I like knowing that with my contribution, our people have the skills they need to perform their jobs safely and efficiently.

A typical day in the office for me involves either conducting training or organising internal and external training requirements. Given that I look after the entire Refinery and Technology operations, there are many different departments and operational areas with competing training requirements and I have to ensure all of these needs are met. I would say production areas like Tankhouse and Maintenance are the most challenging areas I look after as they have the most stringent legislative requirements to meet.

Striking the right balance between the training and development needs of our people and the production requirements of our business is a challenge, but means we operate more safely and efficiently. We invest in developing our people because ultimately it ensures greater job satisfaction for our employees and better performance for our business over the long term.

Keeping it simple

Recently, I worked to develop and implement a new ‘Training Needs Analysis’ for the entire Townsville Copper Refinery and Port operations. Designed to streamline and optimise the training requirements of our business the Training Needs Analysis is a process that defines the training requirements of an individual, a position, group, team, department, organisation or industry sector. It requires coordination and cooperation, but it means our training plans can now be tailored to suit the needs of each employee and role, moving away from the previous, generic approach. It means we’ve eliminated standardised training and increased access to development opportunities so our people can grow in their roles, operate safely and productively and ultimately add greater value to our business.

It feels good knowing what I do helps keep the business operating as efficiently and productively as possible, increases opportunities for our people and ensures they go home to their families safe and healthy at the end of every day.

My time in the army helped me realise my knack and passion for helping other people develop their skills so they can succeed in their careers and achieve their personal goals.
Bowen Coke employees taste award success

We are proud to announce that two of our employees have been honoured at the 2013 TORGAS Awards for the Bowen and Whitsunday region in late May.

Dylan Taylor, Apprentice Fitter Bowen Coke took out the Engineering Apprentice of the Year title, while Bruce Coles, Superintendent Bowen Coke was named Mentor of the Year.

The TORGAS Awards recognise high-performing apprentices in their first to fourth year of training, as well as the people who guide and support them throughout their training journey.

Bruce says receiving the Mentor of the Year award was an honour, and reflected the hard work of the entire Bowen Coke team who play such a key role in the development of our local apprentices.

“Training up our apprentices to a high standard so they can add their valuable trade skills to our operation is important to the ongoing longevity and success of our business,” Bruce says.

“I see this award as being a win for the Bowen Coke team, who work alongside our apprentices with patience and understanding, and continue to encourage and mentor them to succeed in their chosen trades.”

Congratulations Dylan and Bruce on your award honours.

Isa apprentice takes region’s top gong at Queensland Training Awards

Mount Isa Mines is proud to announce that Fletcher Cox, Electrician Copper Concentrator has taken out the top honour for apprentices at the regional final of the Queensland Training Awards.

As reigning champion for north Queensland, Fletcher qualifies as a finalist in the state-wide competition for the title of Apprentice of the Year, to be announced in Brisbane in September.

Fletcher Cox is a product of Mount Isa Mines’ apprentice training program, receiving his trade qualification and electrical license in November 2012.

In the final year of his training, Fletcher’s knack with field instruments saw him talent-spotted and offered one of only a handful of places in our locally-delivered instrumentation training program developed by Mount Isa Mines in collaboration with RMIT University and SAGE Didactic.

In July this year, Fletcher completed the training program, receiving a Certificate IV in Electrical Instrumentation. This paves the way for him to achieve one of his driving career goals; becoming a dual-skilled electrician with the capacity to specialise in the electronic field instruments critical to modern mining and processing operations.

Congratulations Fletcher, and good luck at the state finals! 👏
A closer look at Workplace Giving

We have 11 charities participating in our north Queensland Workplace Giving Program and here we take a closer look at two of our charities making a real difference in our communities.

LAURA JOHNSON HOME (MOUNT ISA)

The Society for the Mount Isa Memorial Garden Settlement for the Aged, better known and trading as the Laura Johnson Home for the Aged is a community operated charity.

It is the only aged care facility servicing the Mount Isa Region and provides critical services aimed at assisting residents to maintain their independence. As a non-profit charity, the Laura Johnson Home depends on fundraising and the generosity of others for many of its needs.

Betty Kiernan, Facility Manager Laura Johnson Home says everyone is entitled to the fullness of life, love, freedom, and comfort from family, friends, staff and the wider community.

“At the Laura Johnson Home it’s our role to provide a service of good quality nursing care in an overall atmosphere of warmth and caring to enable residents to maintain mental, physical and spiritual wellbeing by reinforcing their self-esteem and maximising their worth as members of the community,” Betty says.

“How to Get Involved in Workplace Giving:

Simply fill out the Workplace Giving Program form located on your site intranet or contact the Payroll office on 07 4744 8972. This process will take no more than 5 minutes to complete.

Remember, any donation over $2 is tax deductible.

Mount Isa Mines has long been a supporter of the Laura Johnson Home through our Glencore Community Program North Queensland and ongoing in-kind grounds keeping and maintenance support.

AUSTRALIAN RED CROSS

The Australian Red Cross is one of the national charities we support through our Workplace Giving Program.

Red Cross continues working everyday to support families and communities in need as they determine and lead their own solutions for positive change. Each year, they serve 750,000 breakfasts to children who would otherwise go to school hungry, work towards preventing the four million deaths a year caused by poor sanitation, make 30,000 calls a week to elderly Australians living alone, and when disaster strikes are among the first to arrive and last to leave.
ABOVE LEFT: Bob Jones lost his home in North Bundaberg during the Queensland floods in January 2013. At an evacuation centre he met a caring volunteer Sarah Roha who was there to help him through the emotional journey to recovery. Bob says that Sarah was the daughter he never had. Sarah has helped Bob through his sleepless nights by talking, playing cards and simply being there for support.

ABOVE: Laura Johnson Home resident Ivy Cameron.

TOP: Laura Johnson Home grounds are regularly maintained by our Building Services Department.

Together, they continue to demonstrate the power of people helping people, and encourage everyone to play a part in making the world we live in a better place.

Workplace Giving is a simple yet powerful way for employees to assist Red Cross via regular payroll deductions. It allows Red Cross to confidently plan ahead with vital programs knowing that funds will be available in times of crisis and in their everyday work supporting vulnerable people.

For more information on how your participation in workplace giving can support the Australian Red Cross visit www.redcross.org.au/paidaid.

MINE TO MARKET 23
Local events fill Cloncurry social diary

The Ernest Henry Mining (EHM) team has been busy recently with the vast number of community events and presentations on Cloncurry’s busy social calendar.

The 2013 Cloncurry and District Show, Books in Homes presentation, Rockhana Gem and Mineral Festival and Cloncurry Stockman’s Challenge and Campdraft were all opportunities for EHM to positively engage with the Cloncurry community.

Myles Johnston, General Manager EHM says our involvement in local initiatives and events plays an important role in maintaining our connection to the Cloncurry community.

“Contributing positively to the development of our local community is at the heart of what we do, and these activities demonstrate the importance of the Curry to our operations,” Myles says.

Cloncurry Stockman’s Challenge and Campdraft

In July, the Ernest Henry Mining Cloncurry Stockman’s Challenge and Campdraft celebrated 30 years, with local favourite Cameron Parker taking out the top title.

A hallmark event on the Australian horse sports industry calendar, the Cloncurry Stockman’s Challenge and Campdraft draws competitors from right across the country. We were proud to help the iconic outback event celebrate its 30th birthday as naming rights sponsor.

**ABOVE:** In July EHM sponsored the Cloncurry Stockman’s Challenge and Camp Draft as the event celebrated its 30th anniversary.
Books in Homes Book Giving Ceremonies

Our leadership team also visited Cloncurry State School and St Joseph’s Catholic Primary School to present students with their second collection of books as part of the Books in Homes program, one of our key Community Partner programs.

Cloncurry Show

As a major sponsor of the 2013 Cloncurry and District Show, EHM hosted an interactive information display with an iPad up for grabs as part of our Vital Copper competition.

Matthew Twomey from Cloncurry State School was the lucky winner of the Vital Copper competition, taking home the iPad prize for correctly answering questions about the uses of copper in society.

ABOVE: Matthew Twomey, with sister Kimberley, won EHM’s Vital Copper competition at the 2013 Cloncurry Show

Rockhana Gem and Mineral Festival

Continuing in July, EHM hosted a stall at the 2013 Rockhana Gem and Mineral Festival with special appearances from our Underground and Open Pit Geologists.

The geologists added their personal rock collections to the display and talked to community members about the different minerals found at EHM and Mount Margaret Mining (MMM).

BELOW: Vanessa Di Florio, Underground Geologist EHM teaches Cloncurry children about the ore found around Cloncurry

LEFT: A student from St Joseph’s Catholic School with her new books thanks to our Books in Homes community partnership
The mining process: Underground mining

Mount Isa Mines operates two separate mining streams, copper and zinc, to deliver natural resources that have enduring roles in society.

Underground mining

Underground mining is used to extract ore contained in rock deep below the earth’s surface. We mine both copper and zinc using underground mining methods. Copper is extracted from our Enterprise and X41 underground mines and zinc is sourced from George Fisher Mine (GFM), located 22 kilometres north of Mount Isa.

Copper mining method

In 1930, 38 metres of copper mineralisation was discovered after drilling to further explore the existing lead-zinc ore body. Eighty-three years later, we are the second largest producer of copper in Australia.

We primarily use the sub-level open stoping (SLOS) method in our underground copper mines, which maximises our ore recovery and helps us avoid incidentally mining as much waste rock as possible. Using the SLOS method, ore is recovered in open stopes which are often very deep.

The ore body is divided into separate stopes, making sure we set sections of ore aside for pillars to support the ‘hanging wall’ of rock above the deposit.

The next step in our mining process is to prepare sub-level drifts inside the ore body between the main levels of the mine to create points for the longhole rigs to drill blast patterns. To achieve a successful blast the depth and angle of each hole must be drilled exactly as specified in the pattern.

Zinc mining method

While the discovery of zinc-lead ore was first made in Mount Isa in 1923, it wasn’t
until the 1970s that zinc-lead ore was discovered 22 kilometres north of Mount Isa, next to the Barkley Highway. The site was named ‘Hilton’ and during the late 1970s the P49 shaft was sunk to 1.1 kilometres in depth and a new mine developed. Commercial production began in 1980 and an even larger orebody was found soon after about 2.4 kilometres to the north. Now known as George Fisher Mine (GFM), that area now produces 4.5 million tonnes of ore from the GFM North and South operations annually. An expansion project will be completed in 2014 to develop the mine deeper and construct a new hoisting shaft with underground and surface crushers.

At GFM two different mining methods are used; benching at GFM South and transverse open stoping at GFM North.

The benching method is essentially a 30 metre high sub-level open stope with a top and bottom drive following the strike of the orebody. This type of mining is the most successful method employed to extract ore from the narrow silver-lead-zinc orebodies found at GFM South. Parallel holes are drilled in the ore and fired a few rows at a time.

Large orebody widths at GFM North require transverse open stoping. This approach is very similar to the SLOS method used in our copper mines however the open stopes are mined perpendicular to the orebody.

Stability, backfill and rehabilitation

Before each blast the void’s stability must be determined to ensure the stope won’t collapse during the firing. Our team of rock mechanics use various techniques, as well as modern technology and computer software to map the surrounding rock and ascertain its stability.

After a stope has been emptied of ore, a large void is all that remains. This void is backfilled to ensure the stability of the rock above. Our Enterprise and X41 copper mines are backfilled using a mixture of cement and tailings called ‘paste’, while GFM backfills using both paste and waste fill.

Our development teams at both our copper and zinc mines conduct underground rehab whenever it is required. When an area looks to become unstable, our development drill rigs move in to re-support the ground so safe work can continue.

Townsville land care program closer to eradicating pest plant

As part of the Townsville Copper Refinery’s land care program, we have been removing pest plants from the back paddock area of our site. One of the key pest plants targeted under the program is Chinee Apple (Ziziphus mauritiana).

Chinee Apple is a class two declared noxious plant and pest. Its spiky branches and the large thickets it creates make land unusable for cattle and crop production.

Because of the size of the Chinee Apple, we opted to use a mechanical mulcher, contracting Piva Harvesting for the job.

Control of the large plant previously required a two-step process. First, a mechanical mulcher was used to mulch the tree to ground level. Then, when the regrowth was around a meter high a foliar spray was used to kill the root ball.

However, Piva Harvesting recently adapted their mulching machine to better perform this task. By adding an electric spray nozzle and holding tank for herbicide, the machine can now mulch the tree to ground level and immediately spray the freshly cut stump with herbicide to eradicate the tree. The adapted system is not only very effective, it’s also more efficient and saves costs.

The land care program is one of the many initiatives implemented at our Townsville Copper Refinery and Glencore Port Operations to improve our environmental performance. 

Piva Harvesting’s adapted mulching machine makes short work of pest plant Chinee Apple
New era for Mount Isa Basketball with resurfaced court

Mount Isa Mines operator helps steer Australian Women’s Rugby Sevens side to victory

Mount Isa Mines would like to congratulate Amy Turner, Open Pit Operator Black Star Open Cut, who played wing in the Australian Women’s Rugby Sevens team as they attempted to defend their 2009 title at this year’s Rugby Sevens World Cup in Russia in July.

Unfortunately, her team’s hope for back-to-back World Cup titles was dashed in the dying moments of the Cup quarter final against Spain, with the Australian side losing the game 14-10. However, Amy and her Aussie teammates went on to win the race in the Plate competition final later that day.

Originally from Tokoroa, New Zealand, Amy played in both the New Zealand Maori Sevens and the New Zealand Touch Football teams before crossing the ditch in 2009. She earned her first call up to the Australian Women’s Sevens for the International Rugby Board Women’s Sevens Challenge Cup in London in 2012 and went on to represent Australia in Amsterdam and at the Oceania Women’s Sevens Championships that year.

As the only Australian Women’s Rugby Sevens team member living in Mount Isa, Amy trains on her own locally and travels to the coast to attend training camps with teammates once a month.

The partnership funded the resurfacing of the main court, improving the Mount Isa Multi-Sport and Recreation Centre and bringing it in line with national standards.

Over the years the stadium had been flood damaged and the court’s surface was showing its age.

From the youngest amateurs through to A-grade players, the stadium is used by many people across a range of sports like basketball, netball, futsal, volleyball, badminton and table tennis.

Peter Stewart, Assistant Senior Site Executive Zinc Assets Mount Isa Mines officially opened the resurfaced court in June.

“The new court is comparable to major national courts and the resurfacing now provides a safer playing environment for local athletes,” Peter says.

“Safety is an important aspect for us at Mount Isa Mines, whether it is safety at work, at home or in your recreational time, and that’s one of the reasons we were happy to lend a hand by partnering with the Multi-Sport Centre.”

Mount Isa’s indoor basketball court has been given an overhaul thanks to Glencore Community Program North Queensland (GCPNQ) funding.

Mount Isa Mines operator helps steer Australian Women’s Rugby Sevens side to victory
EHM innovation a winner

A relatively simple modification in Ernest Henry Mining’s (EHM) concentrator thickener tank has overcome a 15-year old technical issue and greatly improved safety for concentrator maintenance crews.

Located above the four-metre deep thickener tank, the original spray system was accessible only by using working at heights safety systems. Because it was so awkward to access the water sprays using harness and lanyard, the sprays were often left blocked, sometimes for up to eight months of the year while waiting for a plant shutdown or for when the thickener tank was drained for repainting or repair, and the sprays could then be accessed via ladders.

Kieran Bibby, Plant Metallurgist EHM came up with a plan when he realised that a more accessible spray system could be engineered by running individual, flexible spray line ‘droppers’ through an existing gap between the walkway floor and wall mesh.

“We realised we could install flexible and removable droppers through the gap to the sprays rather than permanent hard piping,” Kieran says.

“The individual spray droppers can be isolated by ball valve and the flexible dropper lines can be removed at a snap coupling and flushed clear, resulting in practically no maintenance downtime.

In addition to eliminating the working at heights safety hazard, the modification has also improved spray performance, significantly reducing the amount of concentrate foam carried over to the process water system and the problems this causes, which include blocked process water pipes and some copper loss.

Safety notice

Wildlife on roads

During the current drought conditions in the north west, you may notice more wildlife in high traffic areas across our mine sites as animals move about more frequently in search of food and water. Wildlife on the move can be a hazard to drivers, particularly during the hours of dusk when animals like kangaroos and wallabies tend to be more active.

Be careful when driving on the lease, particularly along the haul road, and in the community. Stay alert for wildlife and avoid swerving, especially when driving heavy vehicles as this increases your risk of vehicle rollover or serious road accident.

If you come across trapped or injured wildlife on site, contact a member of your site’s Environment team.

IS&T update

The Information Systems and Technology (IS&T) department’s Functional Support team is an integral part of the Mount Isa Mines business, providing expert functional support for key business applications used in a range of areas across our operations.

The key business applications supported by this team are:

- **Ellipse** – Main ERP system
- **Hyperion** – Financial planning and reporting
- **ARAMIS** – Sales systems (shipping and invoice tracking)
- **AXIS** – Business to Business supply system
- **Business Objects V11 (BOxi)** – Reporting

Each member within the Functional Support team service specific areas of our business.

**YOUR FUNCTIONAL SUPPORT CONTACTS**

**Human Resource and Shared Services**
John Doran, Senior Advisor Human Resources and Shared Services Systems
John designs, implements and maintains systems to support our Human Resources, Accounts Payable and Receivable, and Payroll departments.

**Assets and Maintenance**
Tom Young, Senior Advisor Maintenance Systems
Tom provides advice and identifies improvement opportunities relating to the systems used by our maintenance teams and for groups managing equipment and projects.

**Finance**
Clare Woods, Senior Advisor Financial Systems
Claire oversees the systems used by our team of accountants and identifies system improvement opportunities to streamline our finance processes.

**Supply**
Sach Knight, Senior Advisor Supply Systems
Sach assists our supply teams by identifying opportunities to improve the IT systems used to optimise our supply activities.

**Production Information**
Frank Ciano, Senior Advisor Production Systems
Frank works closely with operational departments across the business to identify output and efficiency improvements through better analysis of production data.
Bowen Coke keeps the community informed

In July, Bowen Coke held its annual Community Information Session and partner morning tea where we shared the latest results on production, safety and health performance, environmental protection initiatives and community engagement programs.

Scott Ezzy, Manager Mount Isa Lead Smelter presented an overview of the Glencore business and our zinc assets in Australia, and highlights of Bowen Coke’s performance over the past 12 months.

Scott and Bruce Coles, Bowen Coke Superintendent also provided an update on the capital investments underway or planned at the facility. The three standout projects include the conveyor program which will reduce noise and dust emissions by cutting back on the movement of coke around the site from nine points to three, a $1.1 million new hot car to take hot coke to the quench tower and two new canister cars valued at $2.4 million which will reduce emissions with a more advanced sealing system and by trapping dust in bag houses.

The under-floor flue program which commenced last year is now a quarter of the way complete and already resulting in a 14 per cent lift in coke processing. The upgrade will reduce emissions from the stack as higher heat from the floor system burns off more coal dust. Fourteen of the 54 beehive ovens have now been fitted with under-floor flues, with another four to be upgraded by August.

Scott said Bowen Coke remained an important part of our zinc assets in Australia.

“We are continuing to invest in the business and improve technology with a view to increasing efficiency and further reducing emissions,” Scott said.

Key achievements over the last year

- Reaching 6.5 years Lost Time Injury Free
- Zero significant or serious environmental incidents
- Zero employee turnover
- Reductions in all emissions including a 4% drop in greenhouse gas emissions, 22% in sulphur dioxide emissions and 10% in nitrogen oxide emissions over one year
- $28 million invested in the community of Bowen in wages, taxes, community investments, utilities, procurement and operating costs
- 86.5% of all procurement invested locally.
In May we hosted our first Community Information Session for 2013 at the Cloncurry Community Precinct with more than 40 community members in attendance. The session began with the launch of our 2012 North Queensland Sustainability Report followed by an update on our underground shaft mine, Mount Margaret Mining, north west Queensland exploration activities and our Sustainable Development performance.

Our management team fielded a number of questions from community members, who took up the opportunity to discuss future employment and enquire how local businesses could get involved in our operations as suppliers.

Myles Johnston, General Manager EHM and Mick McGuire, Cloncurry PCYC Branch Manager announced that EHM would donate $140,000 towards the development of a Cloncurry Community Gym; a welcome surprise for the Cloncurry community and bringing a much needed facility to the town. The official opening of the Cloncurry Community Gym is featured on page 17.

For more information on our support of the community and upcoming Cloncurry events, visit the EHM website, www.ernesthenrymining.com.au or call our Community Feedback Hotline on 1800 346 463 to speak to a member of our Community Relations team.
Stay safe this bushfire season

The fire season is upon us, and the Queensland Fire and Rescue Service (QFRS) is warning of the potential for severe bushfires across the north west as the weather starts to heat up.

The prediction of an above normal fire season comes after one of the driest wet seasons the north west has experienced in years. The drought conditions mean the existing vegetation fuel load, which remains significant in spite of the large fires witnessed last year, is extremely dry and therefore particularly susceptible to fire.

In a letter distributed to residents in May, the Mount Isa City Council and the QFRS advised members of the community to do their part to reduce fuel loads. Earlier this year, Mount Isa Mines carried out controlled environmental burns on our lease as part of our site-wide Fire Management Strategy. A key aspect of this program is the ‘mosaic’ burn method used, which aims to achieve a level of variation in the vegetation fuel load so that naturally occurring wildfires are less likely to get out of control.

Ross Mutzleburg, Area Commander QFRS urges members of the community to act responsibly and consider their bushfire survival plan.

“In the current conditions, it wouldn’t take much for a small, recreational fire to spark something far more devastating and difficult to control,” Ross says.

“You don’t have to live in the bush to be threatened by bushfire, just close enough to be affected by burning material, embers and smoke.

“It is vitally important that we all take steps to ensure we PREPARE, ACT, SURVIVE, this bushfire season.”

Details and more information on how to prepare for bushfire season can be found at www.ruralfire.qld.gov.au.

For fire danger warnings, advice and updates, listen to local emergency broadcasters and monitor the Rural Fire Service website for updates.

Report all fires. Phone 000

Testing the waters

Our environmental team have been sampling Mount Isa’s water sources to test the presence of fish species, their abundance, as well as the general health of fish in the region.

The Receiving Environment Monitoring Program (REMP) is being conducted in three parts: monthly water testing, biannual macroinvertebrate sampling, and biannual fish sampling carried out mid and post-wet season.

The testing is a routine part of Mount Isa Mines’ Environmental Authority and ensures our waterways are regularly monitored and the aquatic ecosystems remain healthy.

Ryan Francis, Environmental Advisor Mount Isa Mines says eight sites were sampled despite the lack of water in the region this wet season.

“We endeavour to get 20 of each species at each site to give a general representation of the average size and health of the fish,” Ryan says.

“The fish are measured and inspected for parasites, ulcers and fin damage before being returned to the water.”

“Results from the first round of testing show that fish in the region are in good health, with very few showing any signs of illness.”

The electrofishing boat used for the sampling is purpose built and generates enough volts to stun fish for a few seconds so they can be carefully netted with a hand net.

“The technique is widely used for sampling freshwater fish across the globe, is highly effective and very rarely harms the fish,” Ryan says.

The boat is fully surveyed and has a number of safety protection measures. All operators on board are required to wear rubber soled shoes and those operators who are netting fish wear 1,000 volt rubber linesman gloves.

“At least two people are required to operate the boat, and both need to have their foot on the foot pedal to switch the current on. If an operator takes pressure off the foot pedal the electrofishing unit shuts down as an added safety precaution,” Ryan says.

Another round of sampling will take place during the 2013/2014 wet season.
Announcements

Congratulations to Nathan Guli, Electrical Maintenance Supervisor Energy and Laboratory Mines Power Station and Ellen Morris, Administration Assistant Zinc Open Pits on their engagement.

Congratulations to Andrew Reardon, Serviceman George Fisher South and his partner Amy on the birth of their son Reef on 30 March.

Congratulations to Daniel Jacobs, Diesel Fitter George Fisher Mobile Maintenance and his wife Jacinta on the birth of their twins Kaster and Tariq on 6 June.

Congratulations to Wayne Blake, Shift Fitter Zinc-Lead Concentrator and partner Katrina on the birth of their son Elijah on 7 June.

Congratulations to Amanda Cardwell, Technical Training Instructor Mount Isa Mines Skills Centre and Shannon Cardwell, Mechanic MICO Infrastructure on the birth of their son Flynn on 13 June.

Congratulations to Brad Cowperthwaite, Trainee Diamond Driller George Fisher Mine and his partner Nadia on the birth of their daughter Ayla Rose on 19 June.

Congratulations to Robert Blyth, Senior Mechanical Engineer Lead Smelter and his wife Natalie on the birth of their son William on 1 July.

Condolences

It is with sadness we mourn the passing of Terrance ‘Terry’ Peter Allen, a former employee of Mount Isa Mines for 41 years, who passed away on 28 June. Terry will be remembered for his love of family and his willingness to assist those in need without question. We send our deepest sympathies to Terry’s family and loved ones.

We would like to extend our condolences to the family, friends, and loved ones of Clement ‘Clem’ O’Brien, who passed away on 5 July, aged 88. Clem was the Mount Isa Mines Lease Foreman for 27 years and the only person ever permitted to have a dog on the lease. The dog, ‘Paddy’, travelled in the back of Clem’s mustard-coloured ute across the country. Clem was also the founder of the Isana Quarter Horse and Australian Stockhorse stud, with many of the horses he bred competing at national rodeos, show jumping and other events. Clem helped out every year at the Mount Isa Rotary Rodeo bringing in the horses from Carandotta station, and for many years supplied judges horses and raffle ponies. Many will remember him as a big, tough man with a heart of gold. Rest in Peace Clem.

Calendar of events

AUGUST

7    New Moon
8    Mailman Express Horse Sprint Races, Mount Isa
9    Mount Isa Mardi Gras Street Parade
9-11 Xstrata Mount Isa Rotary Rodeo
14   Royal Queenslend Show, Brisbane
14-18 Townsville Cultural Festival
21   Full Moon
3-25 Camooweal Drovers Camp Festival
23   Daffodil Day
30   Richmond Camp draft (until 1 September)
30   Xstrata Strand Ephemera, Townsville (until 8 September)

SEPTEMBER

1    Father’s Day
5    New Moon
8    Grandparents Day
11-28 Townsville Eisteddfod
14   Ernest Henry Memorial Art Show, Cloncurry
14   Cloncurry & District Race Meeting
19   Full Moon
20   School breaks up (Qld)
21-22 Bowen Family Fishing Classic and Wet Weekend
23   Autumn Equinox

For Sale

2005 Bay liner – 175 bow rider with 135 HP Merc cruiser very clean and good condition. Comes with Tom Tom GPS fish finder 2 PFD3 and 1 PFD2, 3 tubes and tow ropes plus bag, one anchor with chain and two lengths strong rope, new GME ship to shore VHS radio, new radio CD sound system, ski flag and boat cover. Fuel efficient, (uses 25–30L fuel per whole day tubing or skiing, pulls 3 tubes easily), very quick on water good on lakes and at sea, for fishing or skiing and can go into relatively shallow water. Registered until October 2013. $22,000 negotiable. Phone 0423 026 063.

Motorbike trailer – Holds 3 bikes, jerry can holder, large lockable toolbox, 3 spare tyres (5 tyres in total). Good condition but with some surface rusting. Registered until August 2014. $1,400. Phone 4749 5031.

2011 14 ft Jayco pop top caravan – Excellent condition, easy to tow. Reverse cycle air con. Phone 0447 303 147.

Environmental credentials

Mine to Market is printed on Impact paper stock.

Impact is made with a carbon neutral manufacturing process* It is well priced, FSC COC certified and consists of 100% post consumer waste recycled fibre.

* Mill use 86% renewable energy, meaning emissions generated by producing Impact are incredibly low. The remaining unavoidable CO2 emissions are compensated for by promoting controlled emission reduction projects, audited and certified by Climate Partner. The life cycle analysis tracks Impact from raw materials through to K.W. Doggett Fine Paper Warehouses nationally.
As hot, balmy days make way for chilly winter mornings and bitter-cold dry winds, we need to be extra vigilant in ensuring we are drinking enough water.

During the winter months it is very easy to become dehydrated. This is because the body’s thirst response behaves differently when we’re not sweating.

Additional factors in winter, like the drop in humidity and increased use of indoor heating systems that sap our bodies of moisture contribute to dehydration. As well as fatigue, loss of concentration, headaches and dizziness, winter dehydration can contribute to dry, itchy skin, chapped lips, rasping coughs, nose bleeds and acne.

Keeping your body hydrated takes a delicate balance of minerals, electrolytes and essential fatty acids to keep water where it’s needed. Follow our tips for healthy winter hydration.

I say HYDRATE – Don’t dry out

WAYS TO INCREASE HYDRATION IN WINTER

Be aware of the risk
Your thirst response won’t be crying out for water like it does when it’s hot, so you’ll need to be conscious of your body’s more subtle cues. Having trouble concentrating? Got a headache? Feeling tired, grumpy, or light-headed? A big drink of water may help. As always, keep an eye on the colour of your urine – it’s the simplest way to track your hydration status and get to know how much water your body needs.

Drink warm beverages and stay hydrated and cosy
If the thought of drinking cold water is more than you can take on a chilly day, try a mug of warm water with a slice of lemon. Not only will it help keep you hydrated, it’s practically calorie free and great for boosting a sluggish digestive system. Alternatively, try green tea, which is also hydrating and great for a mid-shift pick-me-up.

Set yourself water-intake goals
It might sound silly, but it works. Think about how much water you might need to stay hydrated depending on factors like your level of activity and your work environment. Then, break that amount into more manageable goals spread over the day. For example, you might set yourself the goal of finishing one, one litre bottle of water every two hours while you’re sitting at your desk. Get to know the signs that your body is running low on water and adjust your goals accordingly.