

BHP

Issue 2 2019

Pilbara News

Making a difference in the Pilbara.

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at Mt Whaleback

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Improving the safety of our Tailings Storage Facilities

A message from Scott Barber, General Manager of Newman Operations



We have very recently created a new team dedicated to improving the safety of our Whaleback Tailings Storage Facility.

Since the failure of the Fundão tailings dam at Samarco in 2015, BHP has significantly increased the rigour of its assessment and management of its global tailings facilities.

Our Company is committed to an ongoing process of continuous improvement, and the recent tragedy at Vale's iron ore operations demonstrates why as an industry, we must act with even greater diligence to make sure these incidents do not happen.

Our global tailings dams facilities – including Whaleback in Western Australia – have been thoroughly assessed and meet international safety standards.

We are very confident that we have the right controls and processes in place to ensure the ongoing integrity of the tailings dam - but we want to do more, and act with even greater care and attention to further mitigate risks at our sites, and keep our employees and communities safe.

We have established a team of internal and external subject matter experts on the Whaleback tailings dam and over the coming months at Whaleback, we will be implementing a comprehensive program of improvements to build on the existing controls in place at the site.

Our team is committed to safety across all our operations from our mine sites, offices and the communities we operate in.

What's new in Newman?

Meet at your local – The Parnawarri Retail Centre

BHP's \$30 million Parnawarri Retail Centre in Newman celebrated its first birthday in November 2018 and what a fantastic year it has been for all stakeholders!

Parnawarri pronounced "bun – da – worry," is from the traditional Nyiyaparli language and means "all together" and "united." The Parnawarri Retail Centre is Newman's premier shopping destination for the community's grocery, food, recreation, health and fashion needs.

We'd like to introduce you to our Parnawarri retail tenants, the majority of whom have registered with BHP's Local Buying Program – which has been created to support small businesses in eligible regions in their engagement with BHP.



PARNAWARRI
FOR THE COMMUNITY

A great place to meet with friends, pamper yourself, or just your weekly grocery shop, Parnawarri Retail Centre is here for our community. With the variety of food, health, fitness and beauty retailers, there's something for everyone at your local centre.

PARNAWARRI IGA	(08) 9175 5544
DOMÉ CAFÉ	(08) 9175 1440
BLISS BEAUTY	(08) 9175 5660
WORKPAC RECRUITMENT	(08) 9177 9722
HILDITCH PHARMACY	(08) 9175 5927
SPORTS POWER	(08) 9175 1337
SNAP FITNESS	(08) 9175 1430
CHICKEN TREAT	(08) 9175 0249
CENTRE MANAGEMENT	(08) 9791 4900

OPEN 7 DAYS A WEEK
8:00AM-8:00PM MONDAY - SATURDAY | 9:00AM-5:00PM SUNDAYS
1 LEE LANE, NEWMAN WA 6753

WorkPac Group

SNAP
FITNESS-24-7

SPORTSPOWER

DOMÉ

Parnawarri IGA

chicken treat

Hilditch PHARMACY

Community events in Newman

The Shire of East Pilbara and BHP have renewed their Newman Events partnership, with more community events scheduled for the near future.

This partnership plays an important role in contributing to the liveability of the town and encouraging community engagement, participation and township.

Some of the events to look forward to include:

Outback Fusion Festival

A three-day multicultural festival of food, music and art celebrating Newman's diverse community and its unique outback location.

Welcome to Newman

A free community event to bring together residents old and new and provide information on what services and activities are available around town, including a tour of Mount Whaleback Mine and a community BBQ and movie screening.

Newman Triathlon

A community sporting event which consists of three legs (swim, bike and run). While the emphasis is on participation, there are prizes for fastest times in each category.

Twilight Movie Series

Catch 14 free outdoor movie screenings, with community meals and popcorn.

Newman Concert Series

Live events featuring touring performers bringing new cultural experiences to town.

NAIDOC Week

Celebrating Aboriginal and Torres Strait Islander history, culture and achievements and celebrating the contribution of Indigenous Australians to our country and communities.

Reconciliation Week Ball

An evening ball for adults which builds on the respectful relationships shared by Aboriginal and Torres Strait Islander people and other Australians. This is a ticketed event.



The Pilbara's passionate people thinking big with BHP

Wherever BHP operates, we are committed to ensuring we continually improve the way we work with our stakeholders.

One way we accomplish this is through our Stakeholder Engagement Groups (SEG) in PH and Newman, which help us better understand the people we work alongside."

Tania Tucker has spent the past two decades living and working in the Newman community.

She is a mother of four, an entrepreneur (starting her own clothing and florist business in Newman) and is now a Business Development Manager for the Newman Chamber of Commerce and Industry.

Tania is also a vocal and passionate member of BHP's Newman Stakeholder Engagement Group.

Tania said the benefits of being a member of the Newman SEG have been enormous.

"It's extremely motivating to see the 'other side' of BHP," Tania said.

I was amazed at the access and level of detail BHP were sharing with us. My participation in this group has given me a better understanding of the technical aspects of the company and how they manage their operations.

"I also found the collaboration a great initiative to have BHP, local businesses and the community all have their say on issues and share them in a common forum.

"After all, we all want to ensure the ongoing prosperity and economic future of Newman for many more years."

Whether it's industry, government or the community, transparency and two way engagement is paramount to achieving successful outcomes for everyone involved.

Each SEG is a diverse group of people who have a keen interest in their local community and are able to provide insightful perspectives on our operations and the mining industry as a whole.

BHP hosts SEG forums up to four times a year, where members meet to discuss BHP related issues and provide input into aspects of the planning of our operating environment, growth programs, sustainable development and environmental and economic impacts.

There is an application process to join a SEG group, however all community members who have an active interest in the sustainable development of the iron ore industry are welcome to apply.

For more information or to apply, contact seg@bhp.com.



"After all, we all want to ensure the ongoing prosperity and economic future of Newman for many more years."

Tania Tucker
Business Development Manager,
Newman Chamber of Commerce

Decreasing dust in Newman

Dust emissions at mine sites are not new, it's something BHP has a long history of managing.

Mining activities which are known to cause dust include haul roads, loading and unloading activities, stockpiling activities, pit activities and wind erosion.

BHP's team at Eastern Ridge in Newman has developed an innovative process which has significantly reduced dust emissions during the loading, crushing and handling phase of mining.

More specifically, the team has reduced dust produced at Ore Body 25 and our Ore Handling Plant.

The solution: spraying water on top and beneath ore profiles as they fall inside processing chutes and autonomously monitoring and managing ore moisture levels.

BHP Project Engineer Rommel Mejia has been leading this dust reduction project for the past three years and said his team was very proud of the results so far.

"It sounds simple, spray more water, but the issue is much more complex," Rommel said.

"We know when ore is moist, it produces less dust. The challenge for us was finding the right way to penetrate ore with water while maintaining manageable ore moisture levels. Because if ore is too moist, it becomes sludge-like and can cause processing issues and subsequent delays in production.

"We searched Australia-wide for dust solutions, but could not find any useful quantifiable data, so we had to think outside of the box.

"We want to be industry leaders in dust management. What we've done at Eastern Ridge is find a solution to decrease dust at one source. It's a small, yet significant step in the right direction to limit dust emissions at our mine sites."

Rommel and his team are now working to roll out their system to other BHP sites in the Pilbara.

Last year, the Shire of East Pilbara became the first local government to launch their own dust monitoring campaign. CEO Jeremy Edwards said he was interested to hear about the strategies BHP has in place to mitigate dust levels within the town.

"BHP regularly receive data from eight monitors around Newman and have a team of people dedicated to assisting in minimising any environmental impacts to the community." Jeremy said.



Initiating Innovation

A collaborative approach to the future of mining

Advances in technology can, and have changed the way we live and how we work – at times without us even noticing the change.

Think about your mobile phone – or what we now call a smartphone.

The first mobile phone was introduced in Australia in 1987. It was big, bulky, weighed more than half a kilogram and it could only make and receive and receive calls – but it was innovative and it would go on to change the way people communicate, work and essentially go about their daily lives.

Now, our smartphones have more storage and processing power than the first space ship which travelled to the moon, and at any moment we can access a seemingly unlimited amount of information with a few swipes and taps of our fingers, something people could only dream of less than 20 years ago.

The power and ability of your smartphone didn't happen overnight, it evolved as technology improved.

BHP is adopting a similar methodology when it comes to innovation in its workplace and at its mine sites.

BHP General Manager Newman Operations Scott Barber said to succeed in the future of resources, we must be bolder, adapt faster and embrace change.

"Innovation through advancements in technology will undoubtedly bring change, as well as new and exciting opportunities for the mining industry and for the people who make it happen," Scott said.

"Our team has chosen to make our Eastern Ridge mine site in Newman the location where we test and trial our new innovations.

"Eastern Ridge is our proving ground for new technology and it's an exciting opportunity for our employees and the community as we begin this innovation and technology journey.



Innovation initiatives are just a small part of BHP's commitment to becoming safer and more inclusive and productive.



The beauty of innovation is what you don't see

- BHP's Jamie Bennett





**“Our School Based
Traineeships give students
hands on experience at our
mine sites.”**

Scott Barber
BHP General Manager
of Newman Operations

Initiating Innovation (cont.)

What does innovation and technology look like?

BHP's Jamie Bennett Eastern Ridge is responsible for overseeing all innovation projects at ER and says the beauty of innovation is what you don't see.

"When it comes to innovation and technology at Eastern Ridge, our focus is on data," Jamie said.

"We are deep diving into our operations to find out what data we can create, record, monitor, understand and manipulate to help us work smarter, safer and more efficiently.

We've been testing innovative technology and concepts at Eastern Ridge for the past twelve months, but to the naked eye, the mine site looks exactly the same.

"What you don't see are the sensors and monitoring equipment we are creating and using to gather data about our operations.

"Examples include improving our live mine scheduling and monitoring pay load distribution on our trucks, both of which rely heavily on real-time data analysis.

"Before we can initiate physical changes on site, we need to have real-time information about our processes.

"Our teams are hard at work developing systems to capture and read this data so we are able to use it to improve our daily routines and make operations safer.

"We see these innovations as the first steps – akin to the first mobile phone – which will set us on a course where technology plays a major role in how we operate.

What does this mean for the workforce?

Scott Barber said BHP's ability to successfully embrace and utilise technology relies on our current and future workforce as well as our local communities.

"Our people will be the ones to make technological changes happen," Scott said.

"This means the skills required to work in the mining industry will change too – and the skills people think they need to have to work in mining today may be very different to the skills needed in the future.

"This is why we are committed to working with our current and future workforce as well as the community in Newman to bring them along this innovative journey.

"We are already building relationships and engagement programs with a variety of Pilbara stakeholders as well as programs with local schools to educate children and have conversations about what the future of mining will look like and skills required to work in the industry.

"Our school based traineeship at Newman Senior High School is a perfect example of this."

Through this program we are able to give students hands on, skill specific experience and knowledge that accurately reflects the typical work undertaken at our mine sites.

"It's a great introduction to our industry, and where our tradespeople, as mentors assist students to complete their training and work their way to certifications in a range of industries, such as automotive, engineering and technology.

"We hope through these types of initiatives, we can deliver continued growth and development by bringing the community into the workplace and transforming our workplace into a community."

Innovation initiatives such as the work underway at Eastern Ridge are just a small part of a larger Company wide commitment to transform to a safer, more productive, more diverse and ultimately more sustainable BHP.

Your voice matters: BHP and CSIRO launch Local Voices community engagement initiative

BHP has engaged Australia's national science agency, CSIRO, to provide communities neighbouring BHP's operations an opportunity to express their views and experiences to the company through CSIRO's Local Voices initiative.

Launched on March 5 with the initial survey in the Pilbara, Local Voices will provide a regular opportunity for BHP to better understand local views and to help build trust through actions, according to BHP Manager Communities Western Australia, Danielle van Kampen.

The ongoing project will see monthly surveys conducted in Hedland and Newman to provide a snapshot of life in a mining region, with respondents opinions sought across a range of issues.

"We have committed to use the community insights from the Local Voices project in our decision-making," Ms van Kampen said.

"While we may not be able to solve every issue raised, CSIRO will share the results with the community and our business to ensure we are better informed on the things that matter most to our local communities."

CSIRO will also conduct brief, five-minute Pulse surveys every month for three years to track key issues identified in the Anchor survey and allow CSIRO and BHP to see how things change for communities over time.

Individual participant responses are always kept confidential. CSIRO will provide the Local Voices survey data in an aggregated form to BHP and the communities through the Local Voices website.

CSIRO Local Voices Project Leader, Kieren Moffat, said the Local Voices project aims to provide value to local communities.

"By taking part in Local Voices you will not only express your views on BHP and the company's activities but you'll immediately benefit local not-for-profit community groups through a rewards program.

Community groups are also encouraged to access, share and use the data to help with their own planning and reporting needs," Dr Moffat said.

For every survey completed, community members can assign credits to not-for-profit groups that will accrue over time. These may be cashed in for a donation by these groups.

CSIRO Local Voices is a way to help communities engage with companies that operate alongside them.

The approach allows a dynamic interaction between company and community that aims to increase understanding on all sides, build trust and strengthen relationships for better community outcomes.

CSIRO is running a series of Local Voices projects around Australia.

To register your not-for-profit group for rewards, or to register your interest in participating in the survey, go to research.csiro.au/bhplocalvoices



BHP

Did you know that we have the largest tug fleet in one location in Australia?

With 19 tugs and 4 different types, we have a high degree of flexibility for different types of jobs.

Not only do we have highly trained crews, we provide over 99% on time service delivery and have one of the world's best in class tug haven facilities.

To us that's big!



Rail tracks head to Queensland farmers

Our WA Iron Ore Rail team continues to show their community spirit. Up to 800 tonnes of used rail made its way to Queensland to help struggling farmers rebuild fences following devastating floods in February.

A collaboration between BHP, Sims Metals and WA Truck Drivers, the scrap will be turned into fencing for properties and stockyards.

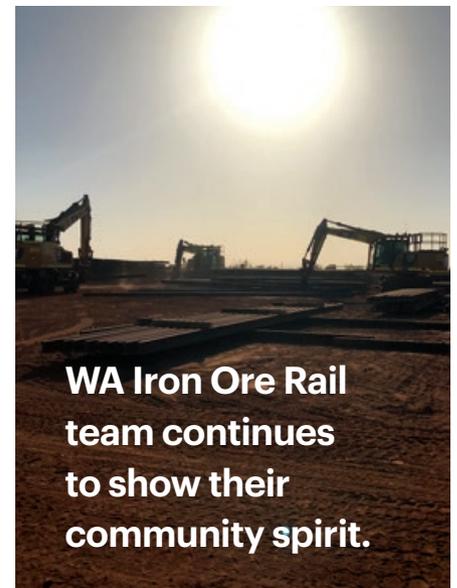
Rail Execution Manager Glenn Osborne says that while it was challenging from a logistics point of view, the Rail team has come together, including people who have donated their time, to help bring this project to reality.

“BHP has a long and proud history of supporting the communities in which we operate. We regularly donate steel to local farmers and pastoralists in the wider Pilbara area. To have the opportunity to go a bit broader to Queensland is a great way of showcasing the community spirit here at BHP,” he said.

“It’s hard to imagine what the people in Queensland experienced when Michael King contacted us, we were happy to help out.”

Mel McDonald, Continuous Improvement Lead, Rail, who helped with the approvals for this project, said the used rail will mean a lot to the community in Queensland who have been through a drought and are now dealing with floods.

I’m extremely proud to be a part of this project. It’s always great when the teams come together to deliver on a project like this so quickly, especially when it’s something that will really make a difference to people.



WA Iron Ore Rail team continues to show their community spirit.

Supporting local businesses through staff recognition

A new recognition and reward system has been launched in Port Hedland which will increase BHP's support of Pilbara businesses.

Our people leaders are now able to reward high performing team members with \$30 gift vouchers to spend at local businesses.

Our employees and contractors can earn gift vouchers for excelling in safety and performance and can spend them at a wide range of businesses thanks to the Local Buying Program, which is delivered via a strategic partnership between C-Res and BHP

Local businesses participating in the pilot program include Hai's Coffee, Ginger Fox, Hedland Emporium, PHYSIOlogical Training, Pharmacy 777 Port Hedland, Charmers Jewellers, Port Hedland Yacht Club, Oceania-Lee Hair Design, Lil's Retravision and Hedland Harbour Café.

BHP's General Manager for Rail, Michael Bailey said more businesses would be added as the initiative gains momentum.

"We're committed to supporting the growth of local business and our local economy through direct and indirect opportunities," he said.

"This new voucher initiative is a great way for us to support the Pilbara community, while also encouraging our employees to buy local – it's a win-win situation."

Administration Officer Jen Scroggie, was the first employee to be awarded a voucher for her continued outstanding efforts in the Local Buying Program. She spent her voucher at local clothing and accessories store, Ginger Fox.

"It's a terrific feeling to not only be recognised within my team but then to be able to use the gift vouchers to give back to the community and buy local," she said.

"Already there is a real buzz going on with people talking about the initiative within our teams on site and out in the community – everyone is excited to get this project off the ground."

BHP's Local Buying program was expanded to the Pilbara in late 2017 and it enables small local businesses to supply goods and services to BHP, with a dedicated buying platform and reduced payment terms of 21 days from receipt of invoice (average 15 days).

Businesses who employ less than 20 FTE's with a significant physical presence near BHP's operations can be eligible to be a part of the program. Nearly \$7.0M in approved spend (Pilbara project to date) has been awarded through the program, with over 220 local and Aboriginal Traditional Owner businesses registered.

To find out more:
localbuying.com.au



"We're committed to supporting the growth of local business and our local economy through direct and indirect opportunities,"

Michael Bailey
General Manager for Rail

BHP Local Buying Program WA record-breaking Indigenous package of work

Pilbara Aboriginal Traditional Owner business, Gumala Enterprise Pty Ltd recently completed a landmark contract supporting work on a project at BHP's Yandi mine site, which created approximately 20 jobs, and high Aboriginal employment.

Gumala Enterprises is 100 percent owned by Gumala Aboriginal Corporation, representing the Banjima, Nyiyaparli and Yinhawangka people, based in Tom Price.

BHP Superintendent Projects, Contracts & Procurement (Mines), Fintan McDermott, said the agreement is currently the largest single contract awarded through BHP's new Local Buying Program for Western Australia.

"Our project team identified an opportunity to 'carve out' a section from our larger Yandi project to create a direct opportunity for a local contractor, via the BHP Local Buying Program," Fintan said.

"The opportunity identified was for a local contractor to take on the sorting and stockpiling of site produced rock armour to support the construction of the flood protection bunds."

Phil Jefferys who is BHP's Head of Strategy, Community and Planning said BHP is fully committed to Indigenous contracting and economic empowerment.

"BHP's Local Buying Program is proving itself to be an effective tool, which allows our teams to be proactive and innovative when it comes to sourcing and supporting local and Indigenous businesses," Phil said

"It's fantastic to see Aboriginal Traditional Owner businesses working on their country and we hope to see many more opportunities like these across our sites."

BHP is committed to contributing to Indigenous economic empowerment, a vision CEO Andrew Mackenzie shared at a CEDA event in January.

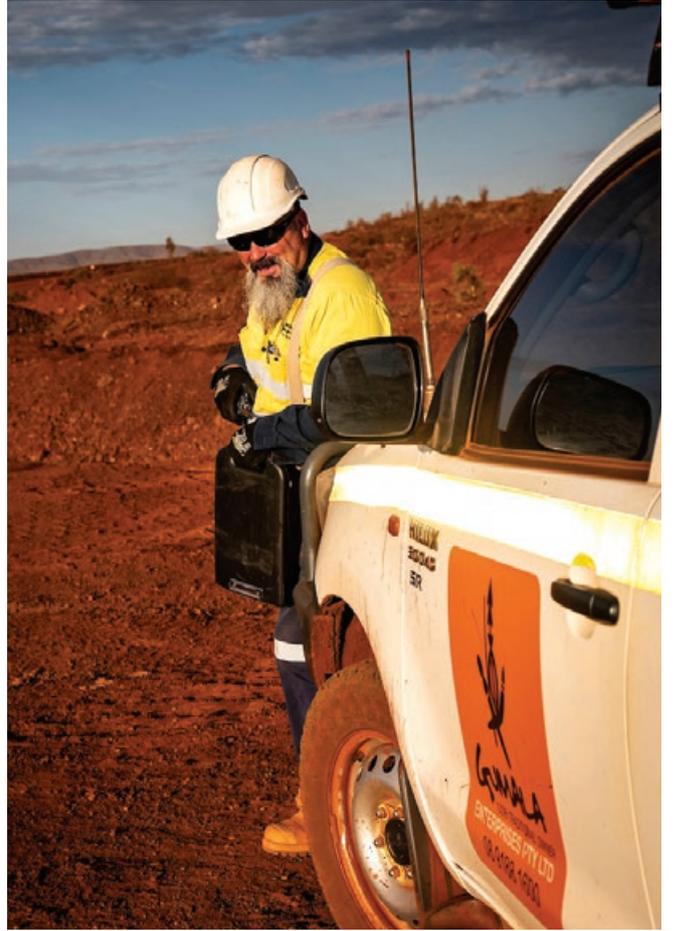
"At BHP we encourage our Indigenous employees, suppliers and partners to have a voice, but we know we must do more," Andrew said.

"While mining benefits our whole nation, business, government and communities all need to make sure that this flows to local communities.

"We know we must do more to increase the size of our Indigenous workforce and engage more Indigenous businesses."

BHP's Local Buying Program, delivered by C-Res is a full procurement-to-pay portal which allows small, local eligible businesses and Pilbara Aboriginal businesses to engage with BHP for direct competitive contracting opportunities, valued at less than \$US2 million. These businesses benefit from the Local Buying Program's payment terms of 21 days from receipt of invoice (averaging 15 days at present).

You can learn more about the Local Buying Program at: localbuying.com.au



LOCAL BUYING PROGRAM
BUILDING OUR FUTURE TOGETHER

BHP  **C-RES**
COMMUNITY RESOURCING FOR THE FUTURE

PROUDLY DELIVERING THE LOCAL BUYING PROGRAM IN PARTNERSHIP

Community cleans up after Tropical Cyclone Veronica



In March, Port Hedland and surrounding towns and communities were hit by Tropical Cyclone Veronica.

Reaching as high as a category four system, the cyclone brought winds in excess of 100km per hour and torrential rain through the Pilbara coast, damaging houses and trees as well as bringing floods to low lying areas.

BHP Emergency Safety Officers and employees were on high alert throughout the cyclone and made sure employees and community members had adequate shelter for when the cyclone hit.

Once the cyclone had passed, the clean-up and recovery job began immediately, with local BHP employees and other residents all lending a hand.

BHP and other major employers provide support to a number of local agencies including the Town of Port Hedland, St John Ambulance, Care for Hedland and others.

The Pilbara community is renowned for coming together to help support the clean-up and recovery process following a major cyclone event and Cyclone Veronica was no exception.

Thank you to everyone who lent a helping hand.



BHP helped out the Port Hedland community by:

- Filling and distributing Sandbags
- Donating a 4WD ambulance which responded to 13 medical cases
- Clearing debris in the main street and West End
- Cleaning up around town parks and facilities and;
- Establishing a volunteer register connecting people and activities where help was needed.

South Flank

Big news for the Pilbara

Set to be one of the world's largest iron ore hubs, the South Flank project is now a quarter way through schedule, heading for first ore in 2021.

Local businesses are mobilising to site as construction ramps up. Located approximately 130 kilometres north-west of Newman, the South Flank deposit itself is vast – 26 kilometres long, and requiring significant mining infrastructure and operations.

Simon Thomas, South Flank Project Director said the project means hundreds of local jobs and billions of dollars flowing into the Western Australian economy.

"We've committed a huge \$2.1 billion in contract awards so far, with 78 per cent of work committed for completion in Western Australia – more than half of which will be Pilbara-based," Simon said.

"Recently, we awarded a \$7.3 million contract to Njamal People and Pilbara Resources Group for dust suppression. We're deliberate about making sure Pilbara-based businesses have the opportunity to benefit from South Flank. Our contractors are clear on our expectations of subcontracting to local suppliers, and initiatives like our Local Buying Program make it possible for the smaller businesses to participate."

"It's pretty exciting. We're creating something big. South Flank will be the largest iron ore mining and processing facility built in more than 50 years of iron ore mining in the Pilbara. We're also integrating the latest advances in autonomous-ready fleets, digital connectivity and modular design.

"We see South Flank as an opportunity to accelerate an inclusive and diverse workforce, and it goes beyond gender. We want a workforce mix at South Flank that is more representative of the communities in which we live."

South Flank will create about 2500 jobs during construction and about 600 ongoing operational roles. The mine is expected to produce ore for more than 25 years.





Do you have an issue with our operations?

Call **1800 421 077**

If you notice something is not quite right and you think it may have to do with our port, mining or rail operations then BHP has a Pilbara Community Contact line that offers a 24 hour service 7 days a week to register your concern.

For more information

Contact Corporate Affairs on 6321 0151 or email pilbaraca@bhp.com

bhp.com