

# CRUNCH TIME

CRUSHING & SCREENING CONTRACTOR NEWS UPDATE



## Rapid Crushing producing fill material for the Gorgon project

**R**apid Crushing was recently commissioned to produce the fill materials for the construction of the Wapet landing and site development and preparation works as part of the Gorgon LNG Project on Barrow Island.

Under the Stage 1 works Rapid was contracted to Ertech Pty Ltd and the scope of works was to produce on site about 350,000t of fill material over a six month period. To achieve this output Rapid used a 2-stage crushing plant comprising a track impactor, a track cone crusher and a track screen.

Under the Stage 2 works, Rapid is contracted by Thies Pty Ltd to produce the selective fill materials required for the site preparation work for the LNG trains and processing facilities on Barrow Island.

The crushing project presented Rapid Crushing with a number of unusual challenges because of the Gorgon project's location on Barrow Island which is a Class A Nature Reserve.

In the first place all second hand items of plant and equipment to be used were stripped - a thorough process which even required the replacement of existing components such as cabling, hoses and belts. The machines were then steam cleaned, sand blasted and painted for inspection by Gorgon quarantine prior to shrink wrapping for transport up to Barrow Island.

With the site being on an island, measures had to be undertaken to reduce reliance on mainland supplies. This meant equipping and sending containers to the island with all the spares and wear parts that may be required for efficient plant operation. Also work is only permitted outside of restricted areas and must comply with strict dust emission, lighting and noise abatement regulations.

Continued on next page.

## Protecting unique Barrow Island environment

**Q**uarantine management of Barrow Island aims to prevent the introduction of animals and plants that are not native to the islands. Introduced plants and animals could affect native species by introducing disease or competing for food, water or shelter.

The quarantine regime for Barrow Island focuses on preventing the introduction of non-native species. All quarantine requirements and activities for the Gorgon project are described in a comprehensive quarantine management system.



Barrow Island is a Class A Nature Reserve.



This cone crusher was completely stripped, steam cleaned and painted prior to being shrink wrapped for transport to Barrow Island.

- ▶ PO Box 39, Maddington WA 6989
- ▶ 577 Bickley Road, Maddington WA 6109
- ▶ Ph: (08) 9452 5888 Fax: (08) 9452 5822
- ▶ email: reception@rapidcrushing.com.au



Mobile track mounted impact crusher ready for shrink wrapping

Conveyor being refurbished



**From page 1.**

The contract with Thiess Pty Ltd is to produce about 5Mt of material over an 18 month period. The plant to be used will include two large rock sizing units, two 2-stage crushing plants (each comprising a primary jaw and a primary cone crusher) and a 3-stage plant plus 10 front end loaders to produce concrete aggregate and engineered fill material.

The project requires the delivery of a high grade fill material for the processing plant area as a high quality foundation for the LNG footprint.

Rapid Crushing's plant will be fed with material excavated on the island.

The Gorgon Project is operated by an Australian subsidiary of Chevron (approximately 47%) and is a joint venture of the Australian subsidiaries of Chevron

(25%), Exxon Mobil and Shell (25%), Osaka Gas (1.25%), Tokyo Gas (1%) and Chubu Electric Power (0.417%).

The Gorgon Project is developing the Greater Gorgon gas fields, located between 130km and 200km off the north-west coast of Western Australia.

The Greater Gorgon gas fields are estimated to contain resources of about 40 trillion cubic feet of gas, Australia's largest-known gas resource.

For more information visit [www.chevronaustralia.com](http://www.chevronaustralia.com)

# Rapid Crushing quarry well placed for Oakajee

Having recently received WA Government approval to proceed, the signs for the development of the Oakajee port are looking healthy for the developer, Oakajee Port and Rail.

If all goes to plan the first shipments through Oakajee are scheduled to take place in early 2014.

With its granite quarry at Narratarra about 20km east of Geraldton, Rapid Crushing is well placed to play an important role in the construction of Oakajee's facilities by offering suitable high quality materials for the port development works and ballast for the rail network.



Crushing plant components ready for containerisation

It may look like something out of Star Wars but it's actually just a Komatsu WA600-6 Front End Loader shrink wrapped for Gorgon.



# Congratulations

Our congratulations and thanks go to the following staff members, who recently achieved major service milestones with Rapid.

Sharon Bickerstaff (office manager) and Glenn Irvine (operations manager) – both 10 years plus.

# Rapid takes the next step on the road to site safety



The development of an employee based Safety Newsletter, 'Your Safety And You - Your SAY', allows for problems and concerns encountered on one site to be communicated across all other sites. This is accomplished in a more informal and descriptive manner rather than the

**T**he position of OHS Manager and the responsibility of maintaining and increasing the high standards of safety that our clients have grown accustomed to, now rests on the shoulders of Allun Waller

Allun's first initiative is for all employees to take ownership of their own safety and that of those around them. The introduction of TAKE 5 books and 'Doing it Right' meetings aims to increase the awareness of safety and applying a team based approach.

formalised statistical approach more appropriate for management meetings.

As a direct result of the above initiative, we are seeing an increase in hazard reporting and a further reduction in workplace incidents. "It's great to see what a little guidance, a high degree of teamwork and a good attitude can do in the area of Safety". Allun said.

"We are just about to roll out a new range of training materials, to be used by site supervisors, at Toolbox meetings. These will include topics such as Behavioural Safety and Welding. It is envisaged that these will be well received and advantageous in the pursuit of maintaining workplaces free of injuries." He added.

# How to find out more

Our web page is designed to give you a good indication of our services as a specialist in the supply of a large range of crushing and screening plant on a contract or hire basis throughout Australia.

Rapid has been awarded major crushing and screening contracts by leading mining companies and civil and earthmoving contractors throughout W.A and Australia. Many of these are listed on the site for your examination.

Importantly, you will also be able to ascertain what we do to ensure the maintenance of the highest OH&S and environmental standards in all our projects.

So visit our user friendly website at [www.rapidcrushing.com.au](http://www.rapidcrushing.com.au)



# Rapid Crushing recognised for performance at Kambalda

Rapid Crushing was recently awarded the GM Cup as the contractor of the quarter at BHP's Nickel West concentrator facility at Kambalda.

The GM Cup is awarded quarterly to the best performing contractor in the areas of production, safety and the achievement of key performance indicators.



The picture shows site manager, Simon Burke (left) with operator Brennan Ward.



Reproduced with kind permission from Greg 'Smithy' Smith.

# Rapid Crushing helps facilitate planned maintenance at Alcoa World Alumina Australia's Wagerup Refinery

**David South, Equipment Management Supervisor - OC1 at the Wagerup Refinery says,**

"Over the past few years Wagerup have hired and operated two hopper/conveyor units in the milling area.

"These have proven to be invaluable to us in order to achieve planned maintenance on our feed conveyors and bins as well as being significant production savers in times

of breakdown.

"Economics has driven us to install our own permanent secondary feed systems in this location and these projects are now in the final stages of commissioning and demobilisation of the hire units is now expected to occur as a consequence.

"Over these past years we have had excellent service from Glenn Irvine and the Rapid team who have always responded

quickly and happily to all of our planned and unplanned events. Their willingness to respond at all times of the night and day has meant that we have gained value from the hire conveyors.

"Whilst I am sure that other companies can hire hoppers and conveyors it is this level of service that will ensure you are on top of the list should any future needs arise. I will welcome working with Glenn and your company in the future. Thanks."

## Pink truck promotes breast care awareness

Rapid Crushing was proud to be a sponsor of Gavin Transport's Pink Truck which recently completed an Australia-wide journey from Brisbane to Perth designed to promote breast care awareness and raise funds for the McGrath Foundation!



This magnificent hot pink truck within trailer made its way through Sydney across the Sydney Harbour Bridge, stopping in Melbourne for the Truck and Trailer Show, then onto Perth via Adelaide and Kalgoorlie. The pink rig also carried a Western Star Prime Mover similar to the one in the picture, but in white. It travelled on the back of the pink rig for the whole

journey before being auctioned.

Our congratulations go to Julie and Eamonn Gavin for their initiative and tireless passion and dedication to this worthy cause.

## "Proart & Marheta do Neil proud"

Talented 6 year old, Proart, which is part owned by Neil and Annette Irvine, certainly showed his worth by winning the Lord Mayors Cup in December 2009 at Ascot and then following it up a week later with a win in the 1400m AL Scahill Stakes.

He is now returning to Adam Durrant's

stable in late November 2010 to finish off his racing before going to stud duty in WA. Neil & Annette are also part owners of another horse in Melbourne named Marheta which won the Group 3 Roses and then came second in Group 1 at the Brisbane Oaks in June 2010.

## Quicker quotations

In order to make your life easier and ensure we can get your quote done without delay we at Rapid Crushing have introduced a form which when completed will give us the information we need to prepare a meaningful and informed quotation for you.

**Quotation Details for Contract Works**

The questionnaire below is designed to assist Rapid Crushing in obtaining a full understanding of the works and be able to give an informed and meaningful response. Some items may not be applicable, value in our pricing.

**CLIENT DETAILS**  
 Enquirer's Name  
 Title  
 Company  
 Address  
 Phone  
 Fax  
 Mobile

**PROJECT REFERENCE**  
 Name of Project

**LOCATION**  
 Name of Mine  
 Distance from nearest major town km Name  
 Distance from Perth km

**ROM**  
 Crushing Indices:  
 Abrasive Index (AI)  
 Work Index (WI)  
 Compressive Strength (Mpa) KWh/t  
 Los Angeles Index (LI)  
 Feed Material Size mm maximum  
 Maximum distance of ROM feed stockpile to Rapid's feed point: metres  
 Note: Rapid will accept feed up to 20m of Rapid's feed point. Any excess distances would attract an extra cost to the product tonnage rates. Any oversize will be sorted by Rapid for breaking down by others.

**PRODUCT SPECIFICATIONS & QUANTITIES**  
 Product Type/Name  
 Product Size:  
 Product A mm  
 Product B mm  
 Product C mm  
 Product D mm

Rapid Crushing and Screening Contractors Pty Ltd  
 PO Box 39  
 Maddington, Rapid WA 6089  
 Upperville, 08 9452

P: (08) 9452 5888  
 F: (08) 9452 5822

The front page of our easy to complete quotation details form.

"Doing it Right"

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