



The Institute of Quarrying New Zealand Inc

IOQ QUARTERLY NEWSLETTER

Issue No. 23

June 2010

Executive Committee 2009/10:

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Mr Warwick Leach

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Mr Murray Discombe

Mr Stephen Garwood

Mr Gordon Laing

Mr Andrew Mahon

Mr Peter Morgan

Mr Les Ward

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Mrs Christine Dodds

Invited Board Member:

Mr Kevin Walker,
CEO Exito

President's Notes:

Welcome to the June newsletter

By the time you get this newsletter we could be at the Napier conference. I hope everybody got their winter woollies out as winter has arrived. The days are shorter now so most quarries have pulled back the hours of work. Boy you Mainlanders must be getting sick of the rain and then the snow arrives.

The IOQ NZ executive had our joint conference meeting in Wellington on the 19th May. Looks like everything is running to plan with the Hans Hollis team doing all the finishing touches to the conference programme. The team have done a huge amount of work behind the scenes to make this conference one to remember and I'm sure all attending will take away something worthwhile. The trade stands are full and registrations are coming in fast. At this stage all the signs are pointing to a large number attending.

We acknowledge the great backing we get from our sponsors and encourage everyone to support our sponsors under the Friends of the IOQ NZ banner. The sponsors form a vital part of our conference. Their company logos are on each page of the newsletter – check them out next time you need one of their products or services.



This year's event has proven to be a little more challenging than other years for one reason or another so we congratulate Adrian and Pat Mattinson along with Roger Parton for the work they have done in organising this conference.

The Board has been working on a number of projects:

- Gavin Hartley is working on the IOQ history book;
- Gordon Laing continues to tidy up the IOQ rule changes;
- Murray Discombe with the help of Brian Bouzaid are working towards showcasing the history on the IOQ website;
- Christine Dodds has been working through the Tax and Charitable Trust status as well as managing the IOQ financials;
- George and I have been working through the Elearning information our UK counterparts have shared with us.

Hans Hollis and Simon Hird are putting the final touches to the Napier conference.

We invited the Mines Inspector, Johan Booyse, to come along to our joint conference meeting to talk to the executive. Johan told us 19 additional inspectors have been added to the industry and gave us a run down of the relevant background of the new inspectors.

EXITO has had some big changes to the board structure this year with Brian Bouzaid becoming the chairman of EXITO Board. This gives the IOQ members support, training and direction from our representative with EXITO going forward meeting TEC requirements. Other industry representatives on the Board are Bruce Taylor and Steve Dohnt.

We also have Andy Loader, Tim Kennedy and Steve Dohnt representing the EXITO SAG group, which brings to the table our views and ideas from our industry.

The Certificates of Competence have just been released so now we need industry feedback on these. The time-frame is to circulate by the 1st June with submission response closing on 1st August. Steve Dohnt is presenting the draft to the IOQ /AQA

Conference in Napier so members will have the draft well beforehand.

The founding reason MinEx was formed was driven by the DOL's wish for an industry-wide body to manage health and safety matters for industry. The Department was set to legislate our industry further if we failed to form our industry body to manage health and safety matters. MinEx has filled this role ably and it liaises with Government on industry matters. Following the launch of the RMA guide lines, IOQ were invited by the AQA on the 31st of March to attend the presentation at Parliament. George Kelcher, Gavin Hartley and I were part of the 100 strong delegation who attended the launch where the Hon Dr Nick Smith, the Minister for the Environment, endorsed the hard work the AQA had contributed to the RMA guidelines. It was a great evening enjoyed by everyone who attended.

State Highway Improvements: About \$1 billion went into improving the state highway network during 2008/09. About \$30 million of this was part of the governments Job and Growth Plan announced in February 2009, to accelerate 5 large construction projects and small projects around the country. This was for a total of \$142.5 million over 3 years

In the next 3 years \$3.075 billion will go into funding state highway improvements. So going on NZ Transport Agency report there seems to be a particular focus on supporting New Zealand roads which will bring economic growth and productivity on key freight and tourism routes

On a finishing note I hope everybody enjoys the Napier conference and I look forward in catching up with everybody at the conference.

Warwick Leach

President

Institute of Quarrying New Zealand Inc

IOQ BRANCH REPORTS

Waikato/Bay of Plenty Field Trip

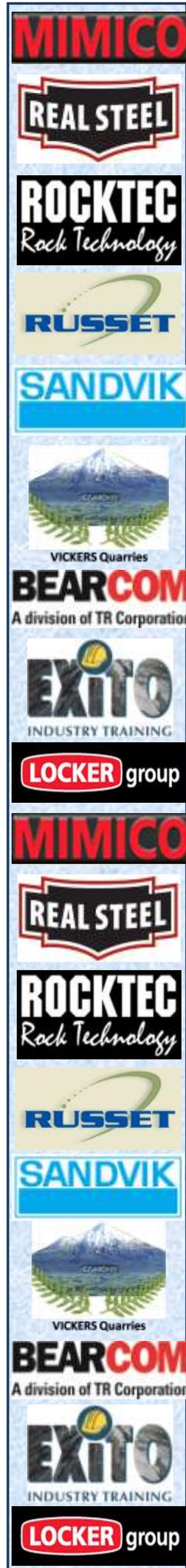


Princey would dispute this).....We know that this plant was built to a very high standard because our very own Ricky Leach had a hand in it when he was with BLM.

The secondary to tertiary feed ratio is 180 TPH and the whole thing cost \$2million to build. The other thing of interest was the relocation of the Karapiro stream. This was done to access more rock and extend the life of the quarry.

On the 22nd of June the Waikato/BOP Institute of Quarrying had a field trip to Winstone's and Swap's Quarries -. 45 members turned up on the day including nine from HGL.

The first visit was to Whitehall Quarry near Cambridge where Winstone's showed off their newly commissioned plant. Their Primary plant produces 300tph (average) and according to Garth Stacy (Quarry manager) it takes 2 minutes and 3 seconds for the Truck to get to the plant from the face (I think





Winstone's Whitehall Quarry

From there we made our way down country to Waotu Quarry which is owned by Swap's. Swap's had recently created their new plant after winning the supply contract into the Taupo bypass. The plant is capable of producing 240tph of TNZ M/4 AP 40 and they have plans afoot to expand this plant with a tertiary plant right next door.



Swap's Waotu Quarry



New plant at Waotu



Back onto the bus and back up country to Taotaoroa Quarry, another quarry owned by Swap's, and definitely their biggest operation with an annual out the gate of 900,000 tonnes. The majority of this volume is trucked into the Tauranga region as base course and other roading aggregate, as well as concrete aggregate.

They are contending with a big slip above the pit [see photos on next page] which is threatening to come down but they recently purchased a huge John Deere tractor that tows twin scoops behind to assist in the removal of overburden and by all account has done this well with 250,000 cu.m being shifted to date. The machine has done 1000 hours so far and with a fuel burn of 900 litres a day, I guess you would be that thirsty if you had to shift that much on your own.

Speaking of thirsty, it did not take long for Shane Bruce to sniff out the booze!! After being well watered and fed, we headed off and finished the day in the old Top Pub in Morrinsville where Corbin got a lesson in how to play pool courtesy of Graeme Warriner of Porters.





Swap's Taotaoroa Quarry



pit with slip on left



John Deere 9530 tractor unit Pulling Hautapu Engineering scoops



Ham on the bone, Heineken & Steinie's !!!



Lookout, I'm on my way thru ...

It was a good day and it was unfortunate that Reg 'Funny fulla' Tuhoro was unable to attend but there were plenty of people asking after him and they missed his insightful questions maybe next time Reg.
by Dean Torstonsen

THE INSTITUTE OF QUARRYING OTAGO SOUTHLAND BRANCH
Forsyth Barr Stadium & Logan Point Quarry Field Trip 12 June 2010

The morning started with everyone gathering at Gough's yard in Dunedin at 9.00am, unusually for quarryman everybody arrived either early or on time. We car pooled from Gough's to the new stadium being built on the side of Otago Harbour. The new stadium is well on the way to completion to be ready for the Rugby World Cup games based in Dunedin. Craig McGregor from Dunedin Events Ltd gave a presentation on the stadium including some technical info on the roof which is comprised of a number of double skinned cells that are inflated using compressed air. The roof is supposed to increase the temperature inside the stadium by 2-3 degrees. Unfortunately with the size of the group and safety issues we were unable to wander around the work site, but this is a fact of life nowadays. From the stadium we crossed the road to Logan Point quarry run by Blackhead Quarries.



We had a great turn out with 48 people, some travelling from Invercargill, Central Otago and Oamaru which was a great effort considering the weather man was predicting snow to 100m that afternoon; luckily the weather remained dry, but the wind chill up at the quarry meant a short talk by Tony Hunter the General Manager for Blackhead Quarries. The view from the top of the quarry was well worth being temporarily cold. The view from the quarry also gave a great view of the stadium under construction. Tony gave an update on Blackhead Quarries recent Resource Consent application, to extend the quarry. I would also like to thank Phil Boulton from Gough's for helping to organise the field trip and also thank Gough's for supplying an excellent BBQ lunch after the quarry visit, the hot coffee was appreciated as much as the cold beer.

by Gavin Hartley

IOQ Golf Tourney *by Dean and Reg*

Once again, the Prime Explosives Annual Tahuna Golf Tournament between Waikato/Bay and Auckland was a great success, particularly so with Waikato/Bay thrashing Auckland.

As in previous years, the condition of the Tahuna course was fantastic. Having said that, the quality of the play from the Waikato/Bay bashers that were present was certainly not that flash – and in fact, there wasn't much quality play at all after a few beers from the ENZED trailer !! Around noon Clarrie from Prime turned up with his 4 wheel bike and shot out onto the golf course with some more drinks to the relief of some of the Golfers who were drying up because of the hot sun - or maybe that was because of the McCallum oyster shots !!





Princey showing off his golfers stance whilst Rod explains "it went that way !"

Congratulations must go to the Waikato team who proved to be too strong for Auckland. After much deliberation over a couple or three beers, it was unanimously decided by Waikato/Bay that the handicap system put forward by Auckland was not constitutional in that it gave them, Auckland, an unfair advantage. As the day went on it also became readily apparent that this year Waikato/Bay had a secret weapon with their two ladies, Suzie Prince and Jill Maddern, who played really well and cleaned up the Auckland pair. Another defining pairing was that of Dean

Torstonsen and Rick Johnston who took on the Auckland pairing of Steve Dohnt and "Traitorous" Frank Berendsen with the Waikato boys dishing up the Aucklanders.

These events within the quarrying industry are a great way to get out and meet people and socialise, knowing that we all have something in common (besides the fact that we cannot play golf !!).



McCallums – giving it their best shot !
Thanks for the beer Clarrie !! Stu and
Dave – What a BBQ !!



We must thank the organisers and sponsors; Clarrie Beardsmore of Prime Explosives who did an excellent job of supplying much needed refreshments on the course and to David Lowe of ENZED Hose Doctors for the superb BBQ. Not forgetting the McCallum Oyster shots which took their toll on Warwick and Reg as the day wore on but who did a great job cooking on the BBQ. The Waikato/Bay victory will go down in the history books and Victor and the rest of the Auckland team will look back and wonder where they went wrong !!



Thanks for coming Victor. We kicked your ass !!

Cheating B.....ds. We'll get you back next year. We're gonna start practising now !!

NORTHLAND BRANCH

Report from Jason Hinton

A turn-out of 34 personnel was great for the first event of the year. Richard Frost welcomed all to the meeting. First up Warwick Leach discussed the Annual conference in Napier and the awards on offer, [Niemac Award, R.D Hasted Memorial Trophy, Goughs Cat Award, Rocktec Travel Award, Lyn Jordan Memorial Trophy, AJ & RJ Loader Shield, Winstone Aggregate Safety Award, Webster Family Education Scholarship and The Institute of Quarrying award, Caernarfon Award and Citation Award]. Nomination forms and descriptions of criteria can be found on the IOQ webpage under awards. Warwick would like to see some nominations from the region.

Les Ward from Rocktec then discussed the Rocktec award. It is great value with a \$ 5000.00 prize towards furthering one's knowledge within the industry.

Mary Wilson from Exito then gave a presentation. Items discussed were their new branding strategy, improving accessibility and communication; Exito being more responsive to your needs and their desire to maintain a high standard in the quarry industry; desire for each trainee to complete at least 20 credits a year [workbooks are free for anybody enrolled; Exito working with companies to help formulate training plans for individuals; supporting company people to become Technical Verifiers [verifiers pass information to assessors]; Assessors and lack of them in the North [to get an assessors course at least six people are required - 4098 is the unit standard required to become an assessor.

Plans for 2010 include - Exito thinks they need to do something different; New Extractive Qualification Pathways; Encourage completion of qualifications starting with site essentials; Certificates of competence (B & A grade Quarry management tickets) and how these fall under the Department of labour. Exito are working to get these into their National certificate umbrella. It has been approved by NZQA - compulsory units and most popular units will be grouped together to make more practical.

What can Exito do to help?

- Plan for training
- Contact the Industry Training advisor for queries or support.
- Enrol and support staff while training.

Other Items discussed included Modern Apprentices, Embedded Literacy Project, Northtec/Exito Relationship; Current subsidy model, Forms and training agreements. I have Exito spare folders if anybody requires them please make contact with Jason Hinton [details below] who will get them sent out.

At 8.00 pm Tony Smith (Goughs) gave a presentation. This had plenty of light hearted humour and was warmly received. It included a recent trip to USA and some of the quarries and establishments that were visited. Also included were Caterpillars new \$63 millions consignment of assorted gear including Dumpers, Graders, Dozers and a custom build Caterpillar transporting unit; Electric progression; Dumpers and the technological Data

Goughs then put on a magnificent BBQ and the evening concluded with a raffle. Thanks to all that ensured we had another great evening.

Any queries or issues please feel free to make contact.

Jason Hinton - Office: [09] 407 7851 ext 816 or Mobile: 021 593 428.

Transfield Services (New Zealand) Ltd's purchase of McBreen Jenkins Construction Ltd in 2007 mean that it has taken over the management of 15 quarries from Kaitia to the Bay of Plenty. Many of the quarries are relatively small and supply aggregate that is critical to the upgrade of unsealed rural roads as well as small rural contracts. However Transfield has a number of large established quarries which supply the full range of aggregates from granular fill through to seal chip as well as concrete aggregates and washed sands.

Transfield has moved away from large fixed crushing plants and has a number of new portable primary and secondary crushers together with a fleet of excavators, dump trucks (including ADTs), bull dozers and loaders as well as a number of experienced A Grade certified Quarry Managers. Due to the extent, size and nature of many of our quarries the portable units are ideal to move into a quarry, process a range of products and then depart to the next site. This has also allowed us to expand into the contract crushing side of the business which is allowing us to enter new markets and provide solutions for a greater range of customers.

Kind Regards,

Jason Hinton

Quarries Manager



Coromandel bridge on target for 2012

The new bridge near Thames is already bringing economic benefits to the area.



Photo / Paul Estcourt

– Article submitted by W Leach

Relief for the Coromandel's traffic woes is gradually coming as the skeleton of the Kopu Bridge replacement begins to climb above the Waihou River. Holidaymakers and Coromandel residents still have to endure two more summers of long traffic queues before the \$47 million project near Thames is completed.

But the construction project is already bringing some economic benefit to the region, with 40 people directly employed on-site and another 100 involved downstream, in supply and support services. New Zealand Transport Agency regional director Harry Wilson said that while the project would have long-term benefits for the region, the agency was aiming to maximise the benefits of the construction phase.

Almost all of the resources were New Zealand-sourced, and where possible, from the Coromandel region. **Over 200,000 tonnes of crushed rock has been taken from HG Leach Matatoki Quarry near Kopu to create a preload base material to give firm foundation for the road to the new bridge being built. The photo shows the Steel-cored piles, which are driven 36 metres into the riverbed.**

Mr Wilson said the construction was time-consuming because of the soft, swampy ground in which the new structures were being placed, but the project was still on track for the original completion date in July 2012.

The new 580 metre, two-lane, steel bridge should ease the notorious bottleneck which builds on either side of the one-lane bridge at peak times. The narrow, traffic-light controlled bridge is the key connection between Auckland and the peninsula, and drivers experience delays of up to three hours during the holiday season.

The replacement bridge will be more than three times the width of the original bridge. The older structure, which opened in 1928, will be upgraded from its shaky timber-and-wire state.

The project was brought forward under a \$500 million jobs and growth plan announced by the Government last year. It will include 2.5 kilometres of approach roads and a four-leg roundabout to replace the difficult intersection of State Highways 25 and 26.

LEARNING TO BLAST AT STOCKTON OPEN CAST COAL MINE

by Shane Bruce [H G Leach]

At the end of last year I was asked if I wanted the chance to learn about blasting at a coal mine in the South island, so I said yes and at the beginning of this year, I went down to Westport to work in the Stockton open cast coal mine. I didn't know what to expect and started to wonder what I had signed up for when I heard some of the stories at the local pub before even getting to the mine about the shocking weather conditions the mine experiences etc !!.

So when I finally got up to the mine after a 3 day induction course, I was surprised at how big the mine is. For those who don't know, Stockton coal mine is on the west coast of the South island and is about half an hour's drive from Westport. The mine itself is 700meters above sea level. It is a 7.5 km drive from the main gate to the office's and then a further 4 to 5kms from the office's to the working coal pits where the blasting is required. Coal from Stockton is used mainly for steel manufacture in China and it is some of the best coking coal in the world.

The weather can be very extreme - fine and sunny one day to sleet and hail and cold southerlies the next. The mine gets over 7 meters or so of rain on average a year.





I learnt a lot about blasting, especially about using non electronic detonators (non ele) using surface delays, control rows and signal tubing which is what is predominantly used at Stockton. I also got the opportunity to learn about spacing of holes, powder factors and fragmentation of rock and coal using different product types like ANFO, Heavy ANFO Power Gel and ANE (Ammonium Nitrate Emulsion). I also learnt a bit about coal mining and the different types of coal.



The Orca team I worked with were really good guys (gave me a bit of a hard time for being a north islander though !!), who knew their stuff. Likewise, the Doug Hood shot crew, never a dull moment when that crew came up to have smoko with us !!.



Cat 777D Dumper



Komatsu D575A dozer



Cat 5130D Excavator

I met a lot of people down there and made a few good mates as well. It was a great experience and one I won't forget in a hurry either. It was good to learn something new and see how different places work and operate. Thanks to Dean Torstonsen for organising it all with Gavin and Pledge from Orica, and to H.G Leach & Co as well for the opportunity.



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Fig 1 - Eleven trays of limestone ready for cutting



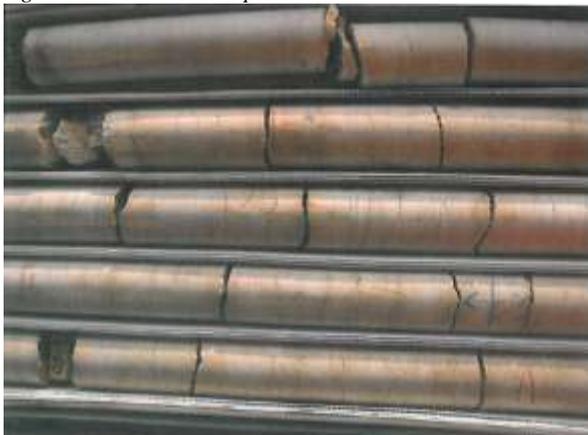
Fig 2 - Shell bed – used as a target for max depth



Fig 3 - Coal layer



Fig 4 - Limestone close up



DIAMOND DRILLING @ Golden Bay

In order to better define the medium term limestone resource at Wilsonville Quarry, Golden Bay Cement invested in approximately 3,000m of diamond drilling. The project lasted 6 months and took advantage of the extended 2010 Northland summer.

Brown Brothers were engaged to carry out the duties of drilling due to their history and familiarity with the company, Paul Vidanovich a consultant geologist with limestone experience oversaw the cutting shed operations. The samples were sent to SGS at Waihi to prepare them for the XRF that was completed at Golden Bay’s laboratory by John Hunt. Having the right people in the right place at the right time has ensured the success of the project to date.

The good news is there is definitely more limestone although the extent will not be determined until the XRF results are modeled. The information will provide valuable insights into what is the optimal direction for the resource to develop both in terms of cost and quality. The knowledge of overburden depth will allow for improved planning and of course less surprises. In addition to recovering core, four piezometers were installed to improve the understanding of water flow through the different lithologies. This will aid future resource consent processes especially if it is feasible to increase the depth of the pit. Two holes were extended to hit the coal measures that underlie the limestone. Fig 2 shows the shell layer that was used as an indicator of maximum desired depth.

Overall the project has been a resounding success to date with no HS&E incidents, the project is on target for cost and the interaction between the contractors and employees has been smooth.

by Richard Frost – Golden Bay Cement



ROCKTEC WINS SOUTH AUSTRALIAN CONTRACT



Rocktec has recently won a contract with Southern Quarries to provide a tertiary screening plant at its Sellicks Quarry. Located between Aldinga and Myponga, just outside Adelaide, South Australia, the quarry is mined for dolomite and bluestone.

Southern Quarries undertook a competitive tender process, which included local suppliers, before selecting Rocktec. Southern Quarries CEO Brett Brown visited Matamata in New Zealand, where Rocktec is based, to personally check out the company's manufacturing operations and capabilities. This evaluation also included Rocktec's health and safety and quality values. Brett also had the opportunity to see Stevenson's Drury quarry that Rocktec had previously supplied equipment to in 2003.

"Viewing first-hand the quality of Rocktec's manufacturing and processes, as well as taking into account their proven track record in delivering plant equipment to a wide range of both local and international customers, helped to swing the decision in their favour" says Brett Brown.

"It was crucial that we found a company we could see as a project partner and not just a supplier of screens and conveyors when undertaking our evaluation of suppliers. The positive 'can-do' attitude from all of the team at Rocktec gives us a lot of confidence that this will be a very successful project."

Rocktec CEO Rick Johnson said he was "pleased to have won a tender with a company of the calibre of Southern Quarries. They have demonstrated that they are forward thinking and open to new technology. It's clear they are only interested in working with technology and suppliers with a good track record. This outcome represents a vital step in our strategic penetration of the Australian market and our ongoing efforts to provide cost-effective solutions for its quarry industry. We're looking forward to providing Brett and his team with a solution that meets not only today's needs but will also provide them with the flexibility to meet their future client requirements."

The Tertiary Screening Plant

Rocktec's tertiary screening plant will be connected to the output of a second-hand plant that Southern Quarries have purchased and relocated from Malaysia. This plant will crush and screen through primary and secondary stages.

The tertiary plant supplied by Rocktec will take the output from a Barmac 9100 VSI crusher at 400 tonnes per hour and provide multiple screening and stockpiling options (including radial stacking), which will produce the various graded product splits required by Sellicks' Quarry.

The plant will include three new evolution Sandvik SC screens (two SC2463 20' x 8' and one SC1852 16' x 8' units) that will be commissioned with wire screen media sizing at the appropriate apertures. The plant will include 11 conveyors and 3 radial stacker conveyors. It will be able to produce aggregate ranging from sand to 20mm aggregates.

Rocktec has commenced the design phase and will complete the project around July 2010. Rocktec will assemble the tertiary screening plant on site at Sellicks' Quarry.



Second project in South Australia

Although this Southern Quarries project is not Rocktec's first successful tender win in the region, it is its first quarry plant supply project in the state. Rocktec has previously provided significant specialty mining equipment for Project Magnet, a OneSteel mining development at Whyalla, near Adelaide.

Source:
Rocktec, New Zealand



HEAVY DUTY BUCKET BRINGS INCREASED EFFICIENCIES

Real Steel commissioned a heavy duty quarry bucket at Winstone Aggregates Belmont site mid last year.

The bucket is running on the sites front line excavator, a Cat 365. Belmont quarry is a hard rock quarry consisting of greywacke stone which is drilled and blasted.

The bucket replaces two older buckets that were becoming increasingly expensive to run and unreliable as front line pieces of equipment. Real Steel custom designed the bucket for the site and has increased truck loading efficiency by 30% over the older buckets.

The bucket was designed to the maximum capacity for the machine and has features that maximize its efficiency to dig and fill including 4 tooth spade nose lip for maximum breakout force, double roll skin for efficient filling and low profile lip protection.

The bucket is constructed from Real Steels premium Hardox steel made in Sweden. The wear kit is top of the range including Domite chocky blocks and wafer strips, CRC60 overlay plate internal liner, pin on side shrouds and bucket heel protection. The wear kit is designed to be quick and easy to change when required and fully protects the core components of the bucket keeping the strength in the structure.

Real Steel have also provided a comprehensive maintenance contract with the bucket which includes all aspects of maintenance on the bucket down to supplying and changing GET. This gives Winstones 100% availability of the machine as all work is carried out outside of production hours as well as fixed costs on their R+M.

This solution provided by Real Steel is all about providing a lower cost per tonne by reducing running costs, increasing efficiencies and reducing downtime by providing a package that uses the best value parts and materials available and is tailored to the site and application.

For further information please contact Luke Mathieson, 0800 REAL STEEL.



CRANE SALES NZ WINS ARMY CONTRACT

MEDIA RELEASE from Crane Sales New Zealand Ltd - 27 May 2010 – Article supplied by Mimico



Crane Sales New Zealand Ltd has won a major crane supply contract with the New Zealand Army.

Crane Sales NZ will supply 10 Effer 165 knuckleboom cranes with custom-built palletised mountings and radio remote controls, to be transported by the Army's Mercedes Unimog trucks. Crane Sales NZ will also supply winches for six cranes, plus a training package to equip Army personnel to carry out repairs and maintenance.

The cranes and winches are required to service the Army's light armoured vehicles (LAVs). The cranes are designed to remove the cannon turret section and power packs (engines) for repair or replacement. Three units have already been supplied and tested.

Cranes Sales NZ Director Stefan de Silva said Effer's superior power-to-weight ratio meant Crane Sales NZ could supply more powerful cranes to the Army than its competitors, while still meeting the Army's maximum weight requirements.

NZ Army Capital Acquisitions Project Manager, Major Theo Alexopoulos, said: "This acquisition provides a vital capability to enable our soldiers to better support the New Zealand LAV in

the field. Responsive equipment care is vital to the success of the commander's mission – the crane will allow key maintenance activities to be performed in the field faster and more safely.

"The NZ Army is pleased to be working with a New Zealand company who have undertaken a collaborative business approach that directly benefits the local economy."

Each palletised crane has four extendable legs so it can lift itself on and off Army trucks.

Stefan de Silva: "That means the cranes are totally self-contained and can be easily transferred from one vehicle to another." The cranes also come with pallet forks for general lifting duties.

The palletised cranes are fitted with Yanmar power packs and carry enough fuel for 40 hours continuous operation, exceeding the Army's requirements. However, the units weigh only 3800kg – 100kg less than specified in the contract.

When required for lifting, the modified Effer cranes can be prepared for work in a couple of minutes. The cranes lift up from their stored position and slide back on the pallet in one continuous motion, to be fixed using three simple locks. When not in use, they lower and slide forward to achieve even weight distribution.

The palletised cranes have eight simple twist lock mountings that fit all the Army's Unimog vehicles and Mercedes 6x4 trucks. Crane Sales NZ has worked with Transport Technology Ltd in Auckland to build the palletised mountings and power packs and supply engineer's documentation.

"Winning this contract has involved a lot of time and attention to detail," Mr de Silva said. "It demonstrates the quality of our brands, plus our ability to provide a comprehensive crane package that adds value for corporate clients."



For more information contact: Stefan de Silva, Crane Sales NZ Ltd.
Email stefan@cranesales.co.nz Ph 027 280 2196





KEY LINKS

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Vickers Quarries.....	vq@xtra.co.nz

For further information on the Joint AQA / IOQ Conference see QuarryNZ site: www.quarrynz.com

Notice is hereby given that the forty-second ordinary annual general meeting of the Institute of Quarrying New Zealand Incorporated will be held at the War Memorial Conference Centre, Napier, on Wednesday the 7th of July 2010 at 2.00 pm.

JOB OPPORTUNITY:

CHRISTCHURCH: 533 HALSWELL JUNCTION ROAD, P.O. BOX 16-325, HORNBY 8441, CHRISTCHURCH, NEW ZEALAND TEL: +64 3 349 8738 FAX: +64 3 349 8384

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Well established and renowned as a leading marketing, distribution and service company supplying the quarrying / mining and construction markets. They are an employer of choice in this sector.

Within the Equipment Division this is a critical technical sales role working in tandem with the commercial team. The role will involve working very closely with the sales team to develop existing and new customer relationships and business through proactive scoping of opportunities. Providing technical support for the sales team and clients will be a key function of this role.

We require your background to be engineering/production/process based and with significant experience working in either a leadership or technical role in quarrying / mining or supplying crushing & screening equipment to this sector. Relevant qualifications are desirable.

Please make confidential enquiries to Brian Docherty on DDI: 03-344-4416 or Mobile: 027-599-4600 or submit your CV to brian.docherty@transdiesel.co.nz

For those of you who have been around a while, you may remember Colin Petit – Colin emailed recently"I was a foundation member of the NZ branch and retired from the branch when the quarry at Golden Bay Cement closed; During my spell at Golden Bay I was seconded to a Blue Circle Quarry in Malaysia at Rawang where they had a problem with fly rock from seemingly normal blasts. I have lately put a fair bit of thought in to this problem and I believe I have the answer:

The blasts that "flew" were in holes that were below the waterlevel in what used to be a riverbed and were loaded at 4 tonne per lb ratio. BUT THEY FLEW HORRIBLY UPWARDS. My theory after years of contemplation now is: The 4tp/lb should have been calculated using a cone from the bottom of the hole and not a cube as the water filled rock around the hole actually acted as a non moveable solid and the dry surface above was the face. I would be very interested to hear from anyone who has seen or heard of my theory being proven. Colin Pettit, Nelson
If you are interested in emailing Colin he would love to hear from you: colin.pettit@ihug.co.nz or www.facebook.com/profile.php?id=1726752110&ref=name

Website: www.ioqnz.co.nz

Mail contact address: Secretary, P O Box 36 037, Merivale, Christchurch 8146

Email: chrisr@inet.net.nz

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