



The Institute of Quarrying New Zealand Inc

IOQ QUARTERLY NEWSLETTER

Issue No. 20
September 2009

Executive Committee 2009/10:

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Immediate Past President:

Mr George Kelcher

Vice President:

Mr Gavin Hartley

Mr Murray Discombe

Mr Les Ward

Mr Peter Morgan

Mr Andrew Mahon

Mr Gordon Laing

Mr Stephen Garwood

National Secretary/Treasurer:

Mrs Christine Dodds

Invited Board Member:

Mr Kevin Walker,
CEO Exito

President's Notes:



Hello to Everyone

Well the Invercargill IOQ & AQA Joint Annual Conference is over and what a success it was. Some 320 members and partners attending, making it a conference to be remembered. Many thanks to the Invercargill committee Lex Robb and his team, not forgetting Gavin Hartley, for putting on a well run conference. A special thanks to Mort Crooks and his enthusiast steam-driven machine club that put on a display at his workshop yard. I know my father couldn't wait to get off the bus when we pulled up; he was like a kid in a candy shop and couldn't stop talking about the show, then visiting the truck museum the next day was the highlight of the conference for him. The trucks in the museum were just amazing - in such great order that Dad could remember back to past contractors who had those trucks etc. He would be walking around saying "your grandfather had one of these", he loved it. Thanks again Southland; you guys, with the help of your partners, made the conference experience a memorable one, the name friendly South comes to mind.

The Executive will have a joint meeting with the conference committee on the 16th September which will give us a chance to debrief and apply any conference learnings to next year's event which is already in the planning stages. Adrian and Pat Mattinson are already full steam ahead with the help of Hans and his Hawks Bay committee in organising the next conference

Current IOQ news:

1. We are applying for exemption under the Charitable Trust Act. Christine has filled out the application form with a cover letter informing the Charities Commission of the benefits our industry to communities and how crucial this is to improving future community development, eg building new homes, roads, hospitals. The list is never ending.
2. We have the Jim Macdonald 2009 Memorial lecture sponsored by Metso coming up. It kicks off at the end of August starting in Dunedin then moving on to Christchurch, Palmerston North, Matamata, Whangarei and finishing in Auckland. Another thank you to the Metso Team for sponsoring this great lecture tour.
3. Sponsorship... can we find more Friends of the IOQ?
4. Certificate of Competency. Our submission was sent to Minex regarding the A and B Grade Quarryman's Qualification. Steve Ellis is representing the IOQ on the Minex committee so we have strong representation there.
5. I will be representing the IOQ NZ at the Australian Combined Conference in Perth being held from 13th-17th October. This relationship has grown over the years and this is a great opportunity to share and learn from our Aussie friends. George Kelcher will also be attending along with some other NZ IOQ members.
6. I will also be representing the IOQ NZ at the Presidents meeting in Malaysia in Kuala Lumpur in November so I have a very busy schedule between now and the end of the year.
7. Dean Torstonson from H G Leach presented a pictorial account of his South Island tour to the Waikato Bay of Plenty branch meeting on the 18th August. Dean won the Goughs/Caterpillar award last year and used the prize to visit South Island companies within the industry. The presentation, held at Rocktec in Matamata, covered quarrying and mining on both sides of the coast.
8. Highlights from the latest quarrying and mining Magazine (July copy): -

Alan Titchall stated "... we can thank the swine flu for knocking recession off the front page of the NZ Herald", how true this statement is. I think there is light at the end of the tunnel with some of the Government projects being fast forwarded around the country - Kopu Bridge – maybe Auckland's Harbour tunnel and Te Puke bypass motorway are some that seem to be moving.

A birthday in Taranaki. Russell Vickers tells us "... his business has been a bit like his marriage - built on the rock-solid tenants of trust, integrity and generosity for over 50 years." Well done Russell.

Talking with Mr Safety; Andy Loader, our local quarry and mining consultant, reports on training and safety in our industry and another passion - saloon racing.

A short story about UK quarries having hit an all time low in terms of image says the results of an annual survey on public attitudes to development. It found that quarries, for the first time, beat casinos and power stations as the most disliked form of development in the UK [survey was done by Saints Consulting Group].

The East Taupo Arterial reached a significant milestone with the physical diggings of the road now underway. A total of 1,100,000 cubic metres of soil will be shifted during the winter months.

Other stories include: - Orica having a Blast with Uni tronic; the Bridge conference; Mimico explores new opportunities; forward planning by the quarry industry; AQA - the gap between future demand for aggregate and consented reserves is widening, James Boyce is leading the charge.

By the time you receive this report the weather should be improving, bit of dust flying, all quarryman love that, and work in our industry should be getting busy with the beginning of the new construction season. Let's all talk to our staff out there and encourage them to think health and safety. We all want to do our job in a safe manner, watching our workmates and all going home at the end of the day.

Warwick Leach

President

Institute of Quarrying New Zealand Inc

IOQ BRANCH REPORTS

CANTERBURY BRANCH:

Equestrian Hotel Hornby, Christchurch 7 pm, 28 August 2009.

Andrew Mahan welcomed about 30 members to the Jim Macdonald Lecture Tour sponsored by Metso with special guest speaker Michael Van Koerverden from QSL in Australia. The minutes of the previous meeting were read and approved and after a short powerpoint presentation from Brent Mitchell, Branch Manager of Titan/Volvo on their product range the lecture began.

Michael has extensive experience having been involved with CCAA, Road & Traffic Authority, working as a consultant to quarry customers and a presenter at IQA conferences and he spoke on Aggregate Testing and specifications for aggregate, concrete and sand used in roading. The lecture included comparisons relating to the differences in the way this is achieved in Australia compared to New Zealand. The presentation was well received and questions were welcomed and there were also a range of technical handouts available for anyone interested. After the meeting there was a lively discussion over supper.

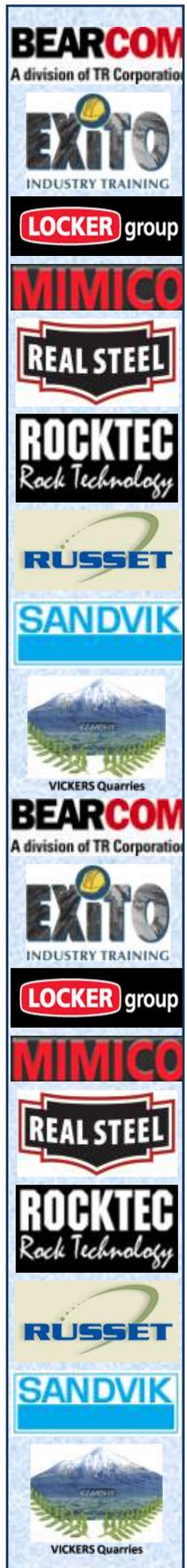
Andrew thanked Michael for his time and he was given a gift from the branch. The Metso Minerals representative Jamie Lunam was also thanked for his support during the tour.

AUCKLAND BRANCH:

STEVENSONS WORKSHOP - AUCKLAND BRANCH MEETING *by Murray Discombe*

If he was still alive, Sir William Stevenson would have been justifiably proud that the Stevenson Engineering arm of the company he founded takes the same pride in workmanship and cleanliness as any of the other divisions.

It had been a few years since the Auckland Branch of the IOQ visited Stevenson's Workshop, so we visited again on 16 June 2009. It proved to be a great venue for our AGM at which about 25 IOQ members were present together with 6 or 7 of our hosts from Stevensons.



We were provided with an overview of the scope of work undertaken by Stevenson Engineering which included Machine & Hydraulics Workshops, together with an area for heavy plant, engine and transmissions overhauling. They also boast a Marine Services section and a manufacturing section (based in Hamilton) dedicated to waste bin manufacture. One thing that impresses is how clean everything is - all their 170 staff take enormous pride in presentation which includes a clean engineering workshop!

Many of us had seen engines and a gearbox being overhauled but it was the compact specialist underground EIMCO mining equipment which was intensely fascinating and really caught everyone's attention. Stevenson's engineers and mechanics were working furiously to complete the overhaul of these machines so they could be shipped back to Australia.

Hopefully the photos capture the essence of the evening. Thanks again for a memorable evening.



NORTHLAND BRANCH – by Jason Hinton

Minutes for Meeting Held at Winstones Otaika Quarry Whangarei 2/9/2009.

An excellent turnout with an attendance of 71 personal was great to see and very encouraging for the industry. It was great to see the vast cross-section of people mingling and discussing the industry. Richard Frost welcomed all and introduced Warwick Leach the national president of the IOQ. After a brief congratulations regarding numbers and an introduction into IOQ membership Warwick introduced our guest speaker for the evening Michael Van Koeverden.

Michael's speech was a real testament to the man's knowledge and his desire to see all in the industry raise the bar to ensure we all exceed in ensuring our customers have products that are fit for purpose. Some of the topics discussed at length were,

- Design and production of manufactured sand,
- Concrete and cement structural design and life span,
- Use of recycled Materials, Concrete and asphalt,
- Product properties,
- Specifications and compliance,
- Product quality and consistency.

Thanks to Michael for a very informative speech that was warmly received by all.

At 8.45 a BBQ was supplied by the Hire Company of Silverdale. The evening concluded with a raffle and a thank you by Richard Frost to Michael, Warwick & Les. Thank you to all who attended; we look forward to seeing you all at the next meeting in the Bay Of Islands on 5th December.

A letter of thanks will go out to all Sponsors and suppliers that go a long way to ensure our evenings are a huge success. Any enquiries or issues please contact the Secretary:

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Article supplied by Brian Bouzaid, Wellington

Media release

Holcim to operate Wellington Quarry

20 July 2009– Leading supplier of cement, aggregates, concrete and lime, Holcim (New Zealand) Ltd, has signed an agreement with Atom Hire Ltd to acquire the operations of Kiwi Point Quarry and Martinborough Sand and Gravel from 1 August 2009.

The quarry, located in Ngauranga Gorge, annually produces 350,000 tonnes of aggregates used in concrete construction and for asphaltting roads and highways across the Wellington region. Martinborough Sand and Gravel process alluvial material in the Southern Wairarapa supplying product locally and to the wider Wellington region.

Announcing the move, Holcim New Zealand Managing Director, Jeremy Smith said, "Taking over the operation of Kiwi Point Quarry reflects Holcim New Zealand's desire to expand its quarry interests. Kiwi Point is a well run operation and acquiring it provides Holcim with the opportunity to expand into the Wellington region."

The company currently owns quarries in Bombay and Hastings supplying approximately one million tonnes of premium aggregates annually, primarily to the concrete and roading markets. It also has interests in other quarry operations – Millbrook Quarries (50% owned) and Atlas Resources (25% owned).

The twenty five existing staff, currently employed by contractor Atom Hire Ltd, will come under Holcim management from 1 August.

* * * * *

Holcim (New Zealand) Ltd is a leading New Zealand supplier of cement, aggregates, ready mixed concrete and lime. Its involvement in the New Zealand building industry dates back to 1888, and today it operates more than 37 sites and employs approximately 530 people. It is part of the Holcim Group, one of the world's largest cement companies represented in over 70 countries and on all continents.

* * * * *

For further information please contact:
Mary Pauwels Ph 021 451 084

* * * * *

Internet: www.holcim.com/nz



EXITO shows Modern Apprenticeships are 'Just the Job'!

A TV programme throwing a spotlight on careers in the Quarrying industry will hit the airwaves later this year. Just the Job is a TV series which gives high-school students a unique, up-close and personal insight into careers available in New Zealand.

EXITO Marketing & Communications Manager, Phillippa Boa, saw this initiative was a good way of meeting some of the key objectives set out in the EXITO Extractive Sector Industry Training Plan 2009 – 2011, particularly in terms of promoting career pathways to high-school students and the Modern Apprenticeship Programme.

Modern Apprenticeships are open to anyone aged 16-21 working in the Extractive Industries. These young employees can enrol in a number of different National Certificates, and benefit from additional support and mentoring which is all provided free of charge by EXITO.

HG Leach (Paeroa) and Holcim McDonalds Lime (Te Kuiti), the two sites chosen for the filming, have been strong supporters of the Modern Apprenticeship initiative, and have been rewarded with excellent and enthusiastic employees who have proved to be real assets to each company. EXITO is aware that there is reluctance by some companies to take on Generation Y recruits, but HG Leach and Holcim have proved that it's a worthwhile activity. So what is the secret of their success? Warwick Leach attributes it to careful selection at the recruitment stage.

And by all accounts, Jaimie Philipp, the student 'talent' from Manurewa High, would be an ideal candidate for a Modern Apprentice! He certainly got enthused about the Quarrying industry during his two days of filming at HG Leach and Holcim McDonalds Lime sites. In fact, it's fair to say, he had a blast!!

Jamie got to meet some current Modern Apprentices at each site with both Corbin Saunders (HG Leach) and Luke Harper (Holcim McDonalds Lime) showing him the ropes. Dean Torstonson, Quarry Operations Manager took on the role of mentor at the HG Leach site, where Jamie got to test out his digger skills (thanks also to Aaron!) and drive one of the shiny new trucks. At the Holcim McDonalds Lime, Darcy Maddern took on the starring role showing Jamie around the site, the big excitement of the day being a 27,000 tonne blast which rocked for everyone including the film crew! Thanks to Tory Norris of Prime Explosives for allowing Jamie the big thrill of pushing the button. Ray Haley, an EXITO Assessor, was also onsite at McDonalds Lime, and able to give the Modern Apprenticeship initiative a bit of a plug for the telly!

Produced by Dave Mason, a respected TV producer with credits such as Barrymore, This is Your Life (UK), Police 10-7 and Jim's Car Show to his name, Just the Job is now on its fourth series and will go to air in October. The programmes are broadcast on TV2, after which they are made available on TVNZ on Demand and digital channels, creating a 24/7 resource for career seekers. Copies of the DVD are also sent to all secondary schools in New Zealand, WINZ offices and are a great resource for career's advisors.

The Quarrying programme will be broadcast on Saturday 21 November at 9.30am on TV2. A huge thanks from EXITO to everyone who was involved with this production. It is a really professional way to get good information out there and has been produced in a way that meets the needs of the target audience. For further information on National Qualifications in Extractive Industries from EXITO, or getting your employees (aged 16 – 21) into the Modern Apprenticeship Programme, please contact EXITO: info@exito.org.nz



MCD1 - Darcy Maddern (far right) and Tory Norris (yellow hat) prep Jaimie for pushing the button on the big blast.

Article by Phillippa Boa



SETTING NEW STANDARDS FOR CLEANFILL: *Article submitted G Hubbard, Mimico*

Advances in cleanfill management at the Puketutu Island Quarry in Auckland have set the standard for cleanfill operations around the country. Winstone Aggregates – operators of the Puketutu Island Quarry and cleanfill operation – this year won the MIMICO Environmental Award at the AQA/IOQ conference for their cleanfill management on the island. The quarry – located on an island in the Manukau Harbour near Mangere – presented Winstone with unique environmental challenges. These included:

- Reducing contaminant levels in groundwater
- Preventing salt water intrusion to the delicate fresh water aquifer on the island
- Effective monitoring of cleanfill quality
- Cleaning up a contaminated sawmill and timber treatment site
- Identifying historical/cultural sites and working in partnership with multiple iwi.

Quarrying began on Puketutu Island in the 1950s, along with construction of Auckland Airport and the city's sewage treatment ponds. The quarry contains basalt rock with scoria cones, and produces high quality chip for the Auckland market. Winstone took over the quarry lease in 1988 and obtained new consents in 1997 to quarry below groundwater level, then backfill with clean fill from other sites. The original 1993 fill management plan (FMP) has been progressively updated over 16 years to the point where it is now establishing new benchmarks for cleanfill operations around the country.

Quarrying below groundwater level has extended the life of a rock resource right on Auckland's doorstep. And rather than just filling the hole left by quarrying, Winstone Aggregates is restoring the island's original profile and contours, and rehabilitating quarried areas into pasture.

Studies into the environmental effects of cleanfilling showed that heavy metals in soils deposited on the island have not had adverse effects on the local environment. Threshold acceptance levels were set for all imported fill. Regular monitoring includes tests for leaching, electrical conductivity, chloride levels, a selection of drinking water parameters, arsenic levels and total hydrocarbons. A network of 32 boreholes has been drilled for monitoring purposes.

The central groundwater aquifer provides residents and guests on Puketutu Island with drinking water. Only fill containing low levels of contaminants is classified suitable for tipping above this aquifer. To maintain water quality, machines are not fuelled above the aquifer, ablutions and amenities have been relocated and water for industry is now taken from other sources, leaving the aquifer for potable purposes.

The FMP sets out fill acceptance criteria and procedures. Winstone' staff carry out pre-acceptance tests to determine if fill is suitable, visit customer sites, and use XRF on-site testing to check contaminant levels in fill entering the site. A quarantine area is available for non-complying loads. XRF testing instantly identifies contaminant levels in a fill sample using x-rays to plot the unique spectrum of each element. The testers are handheld and provide real time results.

As Winstone staff extended the reach of quarrying operations, they agreed to clean up a sawmill site on the island contaminated with timber treatment chemical CCA (copper, chromium, arsenic). This allowed access to rock resource below the sawmill site.

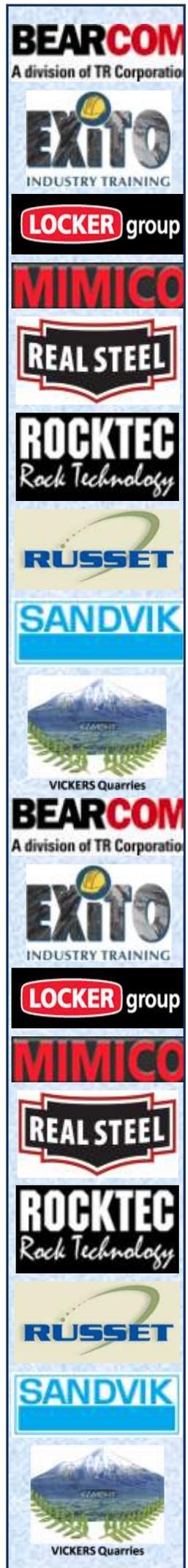
Mildly contaminated material was excavated and sealed in a clay containment cell, while highly contaminated material was removed and trucked to a municipal waste site. Before the cleanup, groundwater in the area showed contaminant levels 6-25 times the relevant ANZEC criteria for the protection of marine ecosystems. Since the cleanup, groundwater contaminants have been drastically reduced.

Puketutu Island is one of the earliest Maori settlements in New Zealand, and Winstone Aggregate staff regularly liaises with a wide range of iwi. Historic sites are identified and protected from quarrying.



The MIMICO Environmental Award comes with a \$5000 educational grant. Winstone Aggregates will use the grant to increase its contribution to Conservation Volunteers NZ which organises volunteers to carry out conservation projects throughout the country.

Rehabilitated quarry land on Puketutu Island is now productive pasture.





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- AQA..... www.aqa.org.nz
- EXITO www.exito.org.nz
- NZMIA..... www.minerals.co.nz
- MinEx Health & Safety Council..... www.minex.org.nz
- Fulton Hogan www.fh.co.nz
- Road Metals..... www.roadmetals.co.nz
- Australian Institute of Quarrying..... www.quarry.com.au
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- Bearcom [TR Corporation]..... www.bearcom.co.nz
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- Mimico..... www.mimico.co.nz
- Sandvik..... www.sandvik.com
- Russets Engineering..... www.russet.co.nz
- Vickers Quarries..... vq@xtra.co.nz

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



Real Steel opens Christchurch office

Real Steel has opened a South Island branch in Christchurch headed by Peter Murphy. The move is in response to growing demand for Real Steel products in the South Island and ensures that Southern customers will continue to receive a high level of service.

Located at 325 Old West Coast Rd, Yaldhurst, Real Steel is close to its customers and is literally next door to some of the larger quarries in Christchurch. A wide range of wear parts are stocked at the Christchurch branch for quick delivery South Island wide.

Peter Murphy says the new South Island branch will provide full sales support for Real Steels wide range of quality wear parts including Hardox wear plate, Black Cat Blades, Domite wear blocks, Foothills crusher parts and Razer conveyor products. Peter Murphy joins Real Steel with over 20 years experience in the concrete and contracting industry in the South Island and has previously held senior sales roles with Humes Pipeline Systems.

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Dear IOQ Members:

Hope you like the new format with Friends of IOQ Sponsors running down the side of the newsletter! There are a number of outstanding subs for this financial year – if you need a copy of your account to pay please email chrisr@inet.net.nz – prompt payment would be much appreciated! Information regarding branch meetings is on the website www.ioqnz.co.nz. *Time to give some thought to the IOQ AWARDS for next year, 2010 – if you work on it now you have time to get some help and save the last minute rush – see the website for copies of previous winning presentations!*

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