



The Institute of Quarrying New Zealand Inc

IoQ QUARTERLY NEWSLETTER

Issue No. 34

March 2013

Executive Committee 2012/13:

President:

Mr Gavin Hartley

Vice President:

Mr Gordon Laing

Immediate Past President:

Mr Warwick Leach

Board Members:

Mr Murray Discombe

Mr Andrew Mahan

Mr Peter Morgan

Mr Les Ward

Mr Chris Sinclair

Mr Tony Carpenter

National Secretary/Treasurer:

Mrs Christine Dodds

President's Note



Welcome to our first newsletter for 2013, hopefully this year will see better sales than we had in 2012. The Executive have met once since our last newsletter and held a joint meeting with the AQA and MITO to discuss training and the proposed Regulations and Codes of Practise. The proposed new regulations for surface operations will also require the continued review of Certificates of Competence and potential for regulated requirements for Continued Professional Development. So the executive have been kept busy keeping up to date with developments in the quarry industry so we can keep our members informed. We are only able to carry out this work for our members, if our members pay the annual subscription and the generous sponsorship from our "Friends of the IoQ" listed on the side banner of each page of the newsletter. Thinking of your next purchase whether a screen, a bearing, or a crusher wear part please remember those that have supported us.

Proposed member ship grade changes

The IQUK is currently reviewing the membership grades, to align membership grades with current industry practise. In summary the IQUK has asked for international consultation on their proposal that includes the addition of a Technical Member grade "TechIQ". The grade would be a non corporate level of membership and fit between a member and associate membership. The proposal is to compliment current membership grades, be attractive to technicians and supervisors and comprise a clear criteria based upon qualifications and experience. More information can be provided though Christine or myself.

QuarryNZ Conference Dunedin 2013 – 'Rock our Global Foundation'

The format will be similar to previous years with the Goughs Dinner on the Wednesday night, technical presentations on Thursday and Friday Mornings, a field trip to Blackhead Quarry on Thursday afternoon and the spectacular social events and Awards dinner on the Friday night. This year New Zealand is hosting the IoQ International Presidents meeting. The Otago Southland Branch local

committee is being lead by Martin Hammond our conference chairman, conference information and online registration should be out within the next month. If you have any questions before then contact Adrian or the IoQ.

The Friday night Awards dinner at conference is to formally recognize excellence in the quarry industry and of our members; this year will be no different. We will however not be in a position to offer the Gough Cat Travel award this year however we would like as many nominations for all our awards as possible –

- R D Hassed Award
- Lyn Jordan Memorial Trophy
- Neimac Award
- Rocktec Innovation Award
- Webster Family Scholarship
- Winstone Safety Award

If you would like more information on these awards please visit our web page <http://ioqnz.co.nz/awards/>. The nomination process and supporting evidence is not a complicated process if you would like help

contact your local branch or one of the Executive and we would be more than happy to lend a hand.

The 2014 conference will be held in Whangarei and the Chairman is Murray Smith. Murray has organised a very motivated committee and with the help of ICM Events our new conference organiser, Northland will provide another great conference.

MITO [EXITO]

I don't believe the name is critically important; the professional facilitation of our training is the important part.

The Exito / Mito merger has now happened, and it should be business as usual for our trainees. Information is still available via the Exito web page in regard to forms and contact details with most details linked to the Mito web page. Mito's portfolio of industries now includes all of the industries that were part of Exito along with their existing industries; motor trade, industrial textile fabrication, road transport, warehousing & logistics, passenger services, stevedoring and ports. Brian Bouzaid and Bruce Taylor will take up positions on the Mito board representing the Quarry sector. There was a fair amount of information handed over to Mito at the end of last year and the back log may take some time to complete, however Mito has a dedicated team to ensure the transition to their systems is completed in a timely manner. A reminder on Certificate of Competence renewals, Mito will also take over this function so please ensure you get your completed renewal form in prior to your certificate expiring, otherwise it may hold up the processing of your renewal.

Website

The web page continues to be a great asset to the IoQ, informing our members and others of the latest news, H & S reports, conference information, employment opportunities and shopping. You can purchase from the site - apparel, advertising, the IQUK resource books along with our own history book. So have a look on the site <http://ioqnz.co.nz/> you may be surprised how much information you can find.

Regulations and Codes of Practise

The Pike River Royal Commission produced a report which included 16 primary recommendations. A Pike Implementation Group headed by Michael Papesch has been given the job of implementing the Ministry of Business, Innovation and Employment (MBIE) programme. Part of the programme is to write Regulations for all extractive industries, along with producing sixteen Codes of Practice (with a focus on Underground). The proposed timeframe is by December 2013, and although the timeframe is challenging many of the codes are almost completed and there is a real willingness from the Pike Implementation team to work with industry on the writing of both the regulations and codes. If you would like more information contact Warwick Leach or myself. The proposed regulations are to go out for public consultation in May 2013.

Gavin Hartley
IOQ NZ President

B R WEBSTER FAMILY EDUCATION SCHOLARSHIP

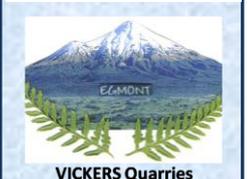
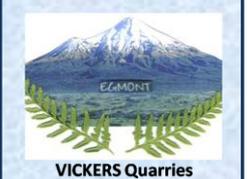


Bruce and Rae Webster at his IOQ Honorary Fellowship Award, May 2002

Bruce Webster was a founding member of the IOQ in New Zealand. The Scholarship in his memory is awarded to individuals who are studying towards qualifications in order to advance their tertiary study or practical learning. It is a condition of the Scholarship that the funding be made available, where possible, to trainees who may be experiencing financial hardship.

A number of members of the IOQ have been granted funding from the Webster Family Scholarship allowing them to complete a qualification. Last year's recipient was Chris Sinclair who is completing a Level 5 National Diploma in Extractive Industries Site Management. If you would like further information please email Gavin Hartley; gavin.hartley@bhq.co.nz or for further information check the website www.ioqnz.co.nz.

Friends of the IOQ NZ
2013



Metso's Lokotrack ST2.4 mobile screen is now available in New Zealand

Metso's Lokotrack ST2.4 mobile screen is now available at MIMICO, the New Zealand distributor for Metso's crushing and screening equipment, parts and service.

The ST2.4 combines high capacity with clean, accurate end products from all types of feed material. It offers the lowest cost per ton produced in the size class through improved fuel economy, high capacity and low operating costs. It is ideally suited for recycling and heavy duty pre-screening and provides efficient classification of up to three end products in a wide range of screening applications.



Operators using the Lokotrack ST2.4 will benefit from the fastest set-up time and the lowest operational costs on the market. The unit is reliable and safe to use, with low fuel consumption and compact transportation dimensions. All that is required to transform the screen from transport to operating position is to unfold the conveyors, set the screen angle and raise the feeder up hydraulically.

The ST2.4 features an optimized hydraulic circuit, Caterpillar diesel engine and high-quality components and fabrications. Together these help increase productive time and reduce costly down time. When a screening media change is required, the unit has excellent access created by raising the screen hydraulically to provide a safe, easily-accessible working environment. Spare parts and service are

available from MIMICO.

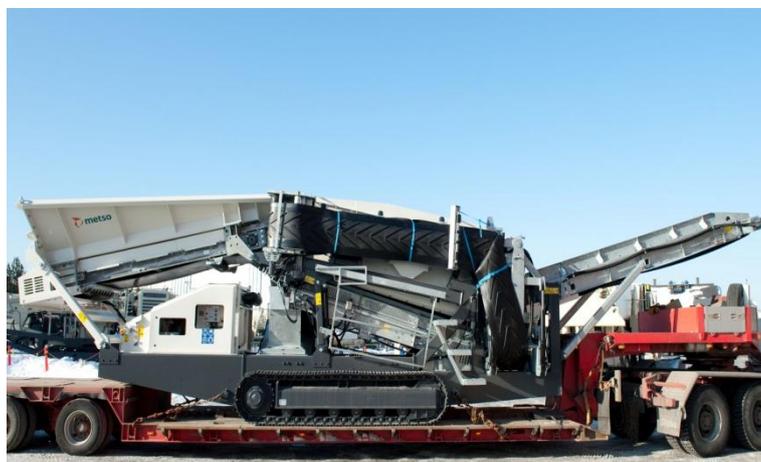
To meet different process requirements, such as recycling and heavy duty pre-screening, the Lokotrack ST2.4 offers a variety of different options. The apron feeder provides capacity and reliability in the most demanding quarry applications. Grizzlies, finger bars, Trellex and a variety of steel meshes provide flexibility for tuning the process.

Technical specifications

Screen deck area (two deck screen): 3640 mm x 1520 mm
Hopper capacity: 4.5 m³
Loading height: 3450 mm
Engine power: 74.9 kW

Transport dimensions

Length: 14,200 mm
Width: 2,990 mm
Height: 3,400 mm
Weight with belt: 23,500 kg
Weight with apron: 26,500 kg



For more information please contact David Adlington at MIMICO.

Mobile: 0274 957 164 - **Landline (ext):** 07 888 6294 (219) - **Email:** davida@mimico.co.nz

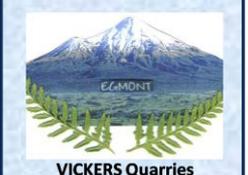
Southern Cross Engineering Group Ltd

Website: www.ioqnz.co.nz

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

Email: chrisc@inet.net.nz or Mobile: 027 697 8559

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15/01/2013



SOUTHERN CROSS ENGINEERING AND ROCKTEC JOIN FORCES

The Southern Cross Engineering Group has recently purchased hard rock specialist Rocktec to grow its capability in bulk materials handling.

SCE's CEO, Paul Thorn recently announced that the purchase of contract engineering company, Rocktec Limited will strengthen the SCE Group's recent move to undertake quarry and mineral processing projects. SCE has an established foundation in design, fabrication and installation of materials handling projects.

With the growing capabilities and hard rock expertise, Southern Cross Engineering is able to provide complete materials handling solutions for mining and materials processing industries.

Rocktec is a specialist engineering solutions provider to the hard rock quarrying and mineral processing industries. Their capability includes the design, manufacture and installation of specialised equipment and processes. Rocktec employs some 40 odd personnel ranging from practicing engineers, design draughts people, and metal fabricators and welders. Their involvement in quarry plant maintenance continually provides feedback to their design team, the most effective continual design improvement programme.

This acquisition complements SCE's established engineering capability which has been developed over the last 58 years in the saw milling, timber processing and bulk handling industries. The Rocktec acquisition will allow SCE to grow and diversify its engineering capabilities away from its traditional markets and industries.

SCE has bulk handling experience in gypsum, coal, woodchip, fertiliser, rock/gravel, slurry, cement, recycled materials/waste and has included previous quarry upgrade work.

Materials handling project work is the main focus of the SCE Group along with a range of standard products that include apron feeders, vibrating feeders, screens, belt conveyors/feeders, chain reclaimers, bucket elevators, high angle conveyors and screw conveyors.

With in-house electrical and control design capability, SCE are offering modular skid mounted equipment that is flexible and able to meet the latest customer design requirements. Established offices in Brisbane and Melbourne provide project management support and spares/servicing of supplied equipment.

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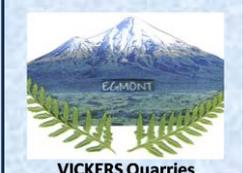
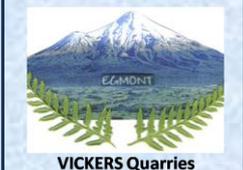
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Gavin Hartley presenting Murray Discombe with his Caernarfon Award Certificate for 2012. Murray's presentation "Land Damage Assessment – Liquefaction and Lateral Spread" was voted the best technical paper nominated at the 2012 IoQ International Presidents meeting held in Melbourne in October.

This is the second Caernarfon Award IOQNZ has won in two years. Hopefully we can make it three in a row this year!

Update on EXITO merger with MITO (February 2013)

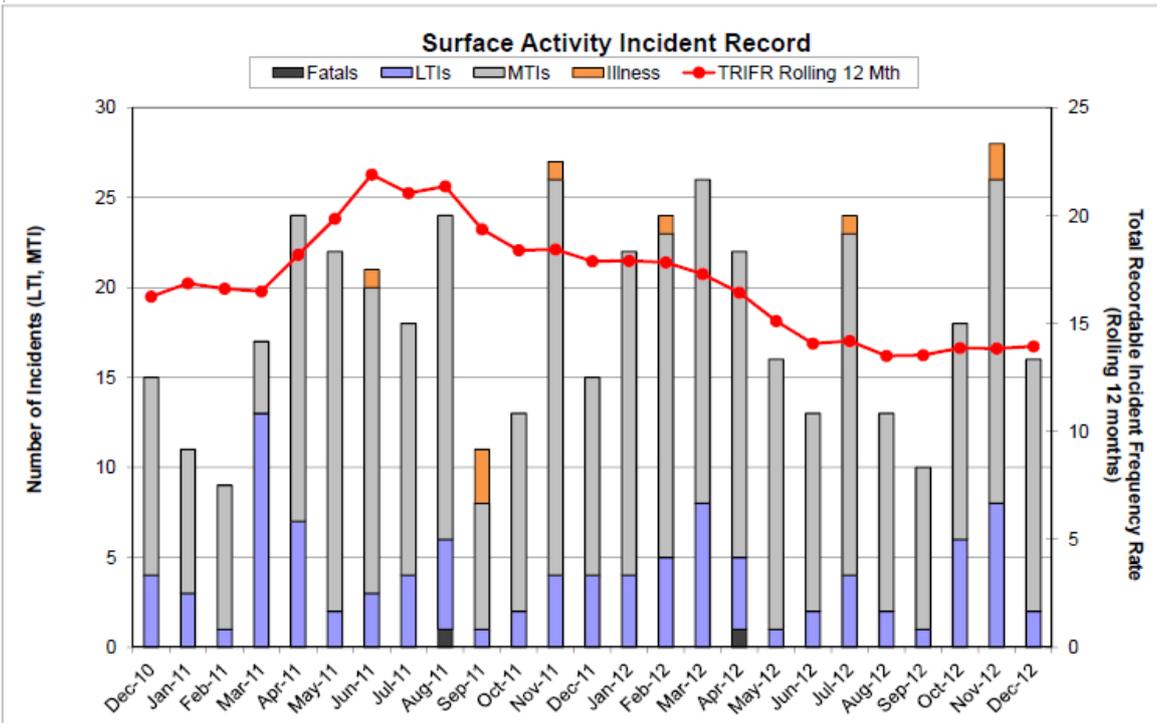
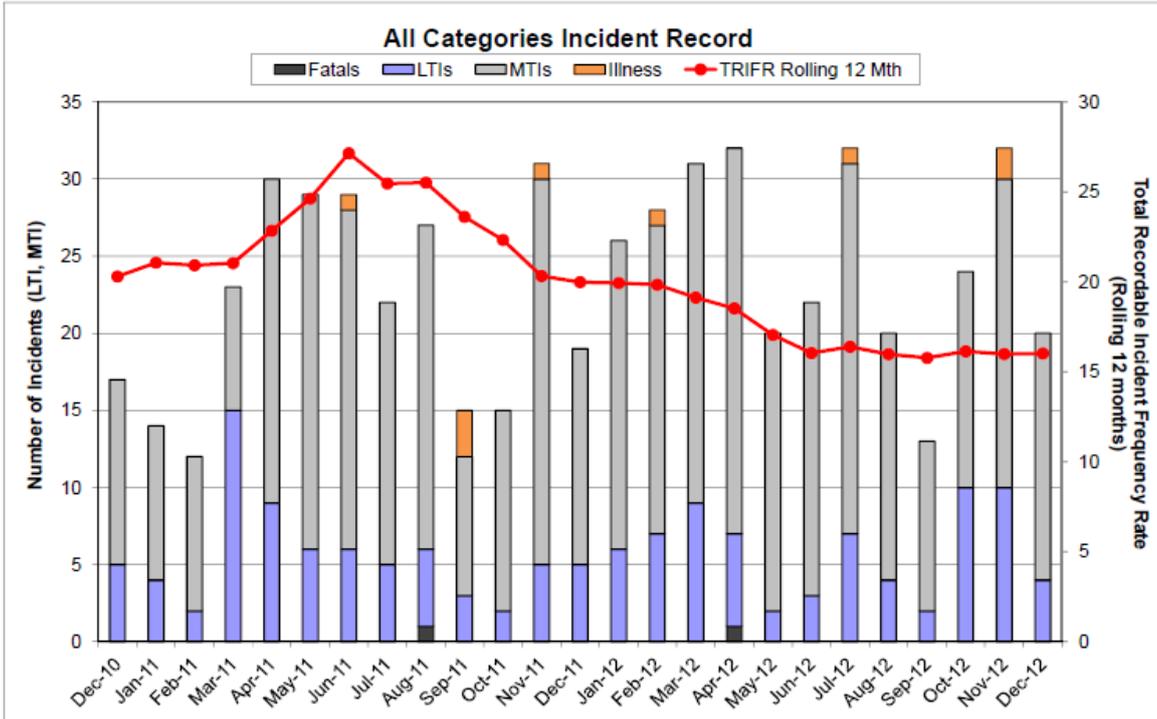
- Q How will industry be represented on the MITO governance Board?**
- A Brian Bouzaid (IOQ) & Bruce Taylor (AQA) will represent the industry on the MITO Board during 2013.
- Q Have all EXITO trainees automatically been transferred to MITO?**
- A This is not an automatic transfer as MITO needs to be confident that trainees are committed to completing their national certificate in the time allocated. Individual employers have been contacted to verify the information provided and confirm training intentions going forward. Employers have been reminded that trainees are expected to achieve a minimum level of credits per annum and that MITO will honour all previous arrangements agreed to by EXITO.
- Q How do the educational performance indicators compare between EXITO and MITO?**
- A The Tertiary Education Commission (TEC) measures achievement of credits and completion of programmes across the ITO sector. In 2011, MITO achieved 100% completion of programmes and 97% achievement of credits; in comparison EXITO achieved 23% completion of programmes and 32% achievement of credits. Overall, across the ITO sector, the average for completion of programmes was 69% and the achievement of credits was 71%.
- Q How does MITO achieve such outstanding results?**
- A MITO works closely with enterprises to ensure that their trainees are well supported from the outset. MITO has developed a national network of training and assessment provision which means they contract these services for individual trainees and ensure that training and assessment is aligned to individual study programmes. An annual training calendar ensures enterprises can plan ahead to release their trainees (as required) causing minimal disruption to their business operations. MITO representatives visit on a regular basis providing coaching and mentoring services and establish and monitor study goals with the trainees to meet study programme timeframes. MITO provides a comprehensive range of reports for the individual trainee and enterprises so everyone is clear on what has been achieved.
- Q How does the funding work?**
- A Seventy percent (70%) of MITO's funding comes from the Crown; with industry contributing 30%. MITO charges an annual training fee and utilises the Crown's investment to support the training and assessment services which are all inclusive in MITO's service delivery model. This is a far more cost effective method for enterprises than purchasing the training and assessment services themselves.
- Q What are MITO's intentions going forward?**
- A MITO is committed to ensuring a seamless transition of EXITO into their business operations, similar to what was achieved with the Tranzqual ITO merger last year. The organisation has been restructured to enable great capability and an expanded workforce. Some initial meetings have been held with Sector Advisory Groups (SAGs) and the MITO Board is hosting a Summit in Wellington for all industry associations on Wednesday 3 April 2013.
- Q Who are the main points of contact at MITO?**
- A **Verna Niao** - T 04 494 0005 | DDI 04 494 6232 | M 027 431 7065 | E Verna.Niao@mito.org.nz
For all queries relating to trainee progress, issuing of certificates and new enrolments.
Michael Alsford - T 04 494 0005 | DDI 04 494 2445 | M 027 286 0718 | E Michael.Alsford@mito.org.nz

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INCIDENT REPORTS FROM MINEX

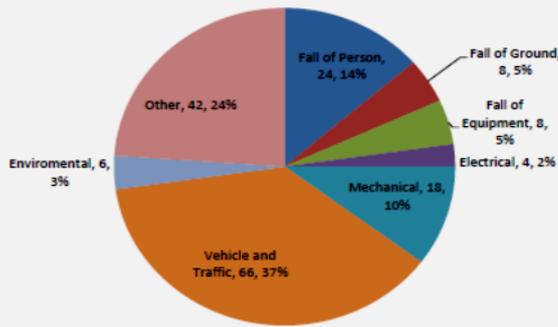
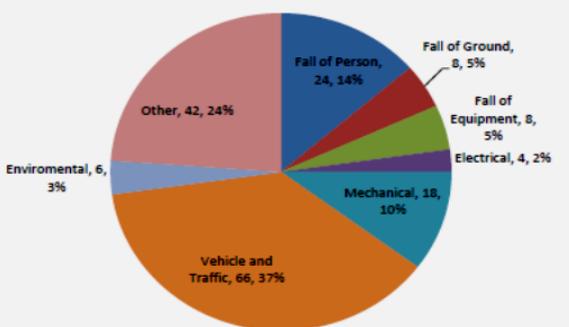


Data reports for the last quarter of 2012. Further updates and information for underground can be accessed on their website www.minex.org.nz.



Surface Incidents Oct '12 to Dec '12

Surface Incidents Jan '11 to Dec '12



Friends of the IOQ NZ 2013

For information on the IOQ Executive Committee, Branch Chairmen and Secretaries, upcoming branch meetings, conference updates, awards nomination forms, membership forms, etc visit the website - www.ioqnz.co.nz. All forms are in pdf format and can be scanned and emailed to save you time.

FLOMAX WIRE HARP-SCREENS FOR MOBILE PLANTS



Advanced Engineering Group Flomax Harp-Screens are the highest production screen on the market. AEG supply Harp/Piano wire screens to suit all types of mobile screening plants. We can supply almost any specification of Harp screen with-in the following limits

- The overall dimensions can be any combination up to 3300mm inside hooks (length) and 1830mm wide.
- The apertures we supply are from 1.0mm up to 16mm. Almost any aperture is achievable.
- Wire sizes are 0.7mm up to 2.50mm in either carbon steel or Stainless Steel.
- We are able to vary the hooks to suit all tension bar set-ups in the market.

Screening fines and other difficult materials via your Mobile Screening Plant can be best achieved by using Harp screens (*also known as Piano Wire Screens*). This screen media is still the most efficient & productive worldwide and when it comes to screening damp and sticky materials. Generally Harp Screens will screen 80% more than the rate of equivalent aperture in woven wire mesh, meaning more tons per hour of production. With Harp Screens you get very little material build-up as there are no cross wires, therefore no corners for fines to start building up from, plus the diameter of the wire is normally smaller than wire mesh, so giving less surface area for fines to take hold.

If you're currently using Woven Wire Mesh to screen those difficult materials then you're possibly also facing some blinding and pegging of your screens. If you're working with sticky and damp aggregate then consider using a Harp Screen for getting a more efficient result. Harp Screens, unlike Woven Mesh is made up of individually tensioned wires that are straight and run hook to hook. These wires move independently of each other during the screening process and cut through the material creating higher production rates and offers maximum percentage of open area.

There are times when you wouldn't use a harp screen, i.e. you have large material coming down directly on the harp. You need to remove the oversize product or have protection from the upper deck as they aren't designed for impact. Also, depending on what material you are screening and what your product sizing requirements are you can also get long flat pieces which could cause oversize in the finished product. Discuss your requirements with your local AEG sales representative.

To ensure the longest life from the screen the Harp must be fitted correctly, i.e. the tension bar must be all the way into the back of the hook prior to tensioning and the profiles must be fitted onto the stringers correctly. After the first two hours of use, recheck the screen tension and adjust as necessary. Most screen tension adjustments are made with-in the first two weeks of use. Wire screens, by virtue of its construction and use, will 'stretch' and therefore lose its initial tension. The tension on these screens should be checked on an on-going basis.

The hooks are designed for durability but also for easy installation. The plastic profiles are also designed to fit with ease and come in round profile to fit over round top capping rubber or square to fit direct over your stringer rail. The wire we use when making our Flomax Harp screens is of a higher carbon content than regular woven mesh (approx 30%) so offers longest wear-life possible.

Ex-Stock: No one else in New Zealand or Australia keeps an inventory of pre-made Harp Screens like AEG does. We can supply Harps to fit most Mobile Screening Plants, including: Powerscreen, Finlay, Precisionscreen, McCloskey, Metso (Nordberg), Fintec, Extac, Keestrack and many more.

Support Profiles Types



Plastic Round Profile
(For round top capping rubber)



Plastic Square Profile
(Sits direct over your stringer rail)

Hooks

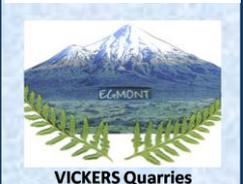


Engineered for Durability and easy, fast installation.



Friends of the IOQ NZ

2013



WELCOME TO NEW MEMBERS

Name	Category of Membership	Branch
Nathan Gibbons	Member	Auckland
Timothy J Jackson	Member	Canterbury
Pierre Stockman	Associate	Te Kuiti

Please ensure invoices are paid promptly and details are updated when you change your address or employer. Once your invoice for membership is paid you will be presented with your Institute of Quarrying certificate and a History book. Any current paid-up members who do not receive a History Book should email gavin.hartley@bhq.co.nz or chriss@inet.net.nz.

IOQ AWARDS 2013

Any member can nominate an IOQ member from their local branch who they believe to be the most deserving for an award - see the categories below - further information is available on the website or from your Branch Chairman or Secretary.

Nominations should include some background information about the person: current job description, a mini version CV.

Please review the criteria for nominations as described in the Awards section on the IOQ website - www.ioqnz.co.nz, to ensure the member you wish to nominate is eligible. Include your reasons for nominating, and a contact phone number.

Awards offered are -

- Niemac Trophy
- Rocktec Innovation Award
- RD Hassed Memorial Trophy
- Lyn Jordan Memorial Trophy
- Winstone Aggregates Safety Award
- Institute of Quarrying NZ Award
- BR Webster Family Educational Scholarship
- Citation
- AJ & RJ Loader Shield for Best Sponsor's Display
- Caernarfon Award

If you believe your quarry should be nominated for the Winstone Aggregates Safety Award, please complete the application based on the criteria for that award. Please forward entries for this award to the National Secretary, so there is ample time for one of the Quarry Inspectors to arrange a quarry visit to better judge the applicants.

Note that the AJ & RJ Loader Shield for best sponsor's display is judged during the Annual Conference.

The Institute of Quarrying NZ (Inc) has a number of prestigious awards available which are presented each year at the Annual Conference.

Send completed nomination forms together with supporting photos and documentation to the IOQNZ Secretary.

