

# Aggregate News

AGGREGATE & QUARRY ASSOCIATION OF NZ | SEPTEMBER 2011

AQA welcomes  
Government's National  
Infrastructure Plan

**aqa**

## AQA Board

### Chairman

Mike Lord, Perry Aggregates

### Board Members

Jason Glentworth, Holcim

Tony Hunter, Blackhead Quarries

Ben Hussey, Winstone Aggregates

Eric Souchon, H G Leach & Co

Bruce Taylor, Fulton Hogan

## Planning Committee

### Chairman

Mike Lord, Perry Resources

Grant Anderson, Holcim

Kevin Bligh, Winstone Aggregates

Jonathan Green, Fulton Hogan

## Technical Committee

### Chairman

Robert Patience, Higgins Group

Greg Arnold, Pavespec

Jayden Ellis, Stevensons

Stacy Goldsworthy, Winstone Aggregates

Alan Stevens, Roding NZ

Colin Taylor, CCANZ

Aggregate News is distributed to AQA members, relevant members of parliament and to industry stakeholders and local authorities. If you have contacts you think would like to read it, please let Roger Parton know: [Roger@aqa.org.nz](mailto:Roger@aqa.org.nz)

Please contact the editor, Carol Delaney, [Carol@aqa.org.nz](mailto:Carol@aqa.org.nz) with any information you think would be interesting to readers.

# Message from Mike Lord



Our 43rd Annual Conference in Rotorua was another great success with inspiring presentations and great social events. I want to thank all those involved with organising the event – you did a fantastic job!

As I discussed at the AQA AGM, a key focus during the past year has been to look at our structure, workloads and making the council an attractive proposition for people to join.

A survey of councillors showed that council members on average were spending 285 hours per month on council and associated committees / groups work, or 35 hours each councillor per month. Obviously this is a huge workload on top of their normal working week, and is only possible due to the generosity of the contributing member companies. In our view this is unsustainable. If we want to attract good senior industry leaders to the council and to continue to advance our industry, we need to re look at how we do things.

The council has discussed in depth this problem and has decided that we will add a part time industry focused position to support Roger Parton, the Executive Director, and the committee's activities. Funding of this new role will predominantly be achieved by reallocating our existing budget. A key objective will be to take a lot of the workload off councillors and return their role to governance.

To support this we have re-structured the Council to a Board, with titles changing from President to Chairman and Councillors to Board Members.

We believe these changes will allow the Association to better support industry lead initiatives, our committees, and our representation on national committees.

Mike Lord, **CHAIRMAN**



## Meet the AQA Board

The AQA Board 2011 from left are Tony Hunter, General Manager with Blackhead Quarries in Dunedin, Chairman of the Board, Mike Lord, Manager of Sales and Technical Services with Perry Group, Vice-Chairman Ben Hussey, Central Operations Manager with Winstone Aggregates, Jason Glentworth, Quarry Supervisor, Holcim, Eric Souchon, Managing Director of H.G. Leach & Co. Ltd and Bruce Taylor, Quarries/Transport/Excavation Divisional Manager for Fulton Hogan.



## Carving celebrates aggregates industry

The dawn blessing and unveiling of the Pink Terraces stone carving was held on the first day of the Rotorua conference. The famed Pink and White Terraces - considered to be the eighth wonder of the world, were destroyed during the eruption of Mt Tarawera in June 1886. But earlier this year while mapping the floor of Lake Rotomahana, scientists found what could be an up-to-80-metre section of the Pink Terraces.

The giant 20 tonne carving that features continuously flowing water, is a celebration of the magnitude of the aggregates industry and also the historic discovery of the Pink Terraces after 150 years.

Pre carving the stone weighed 30 tonne and was provided by Hinuera Natural Stone Quarry and was carved by Mario Kerkhoff.

It was presented to the Rotorua City Council by the QuarryNZ Conference it will be on permanent display in Rotorua.



## Stacy Goldsworthy joins AQA Technical Committee

New Technical Committee member Stacy Goldsworthy is National Technical Manager at Winstone Aggregates, covering all its sites. He is based in Penrose, Auckland.

In addition to the AQA Technical Committee, Stacy will be the AQA representative on the NZRMCA Technical Committee.

Stacy has been in the industry for 15 years starting as a laboratory technician, moving onto process and application of crushing and screening products with Metso Minerals. He joined Winstone Aggregates in 2008.

He has a particular interest in aggregate processing and quality control and is keen to see more transparency in the reporting of aggregate quality and compliance. Improved communication about the compliance of products gives customers confidence in the industry's ability to meet their requirements.

When he is not working Stacy is always keen for a bit of hunting and fishing and a couple of times a year he takes on half marathons.

# An essential ingredient for infrastructure

The Aggregate and Quarry Association of New Zealand welcomes the government's recent National Infrastructure Plan 2011, which says that the government realises that infrastructure forms the backbone of all New Zealand communities, and that every individual New Zealander needs a greater level of confidence about infrastructure provision, costs and service levels.

"The industry is chomping at the bit to discuss future aggregate needs with those making infrastructure plans for the coming 20 years," said AQA Chairman Mike Lord. "Looking through the publication was like looking through an advertising manual for aggregates – every picture showed where New Zealand's high demand for aggregate goes to – roads, buildings, underground works, dams – you name it – you are surrounded by it."

There is a lot of ignorance about quarries and what they deliver, and how the natural product, aggregate, is used. It has been said that if it's not animal or vegetable, then is it probably made from aggregate – the rock that quarries blast and crush to required size – right down to sand. And it is a component in almost everything man assembles.

"The aggregate industry is keen to provide the most cost effective and environmentally supportive product. But potential aggregate sources are becoming inaccessible as cities grow. That means having to truck the raw material to the project site – at a cost to the contractor (often rate payers), a cost to the road surface, and a cost to the environment through fuel use and emissions," said Lord.

The plan says that the government will develop a coordinate communications program with key stakeholders and partners in each sector to allow regular and meaningful communication on infrastructure issues, including identifying and collating information on regulatory barriers.

"This is music to our ears," said Lord. "A national aggregate strategy for future aggregate sources is essential to the growth and economy of New Zealand going forward."

Implementation of the National Infrastructure Plan will demand massive quantities of aggregate. Its requirements will form the framework for the AQA's own strategic plan to ensure those future supplies will be available.

Mike Lord and Roger Parton met with officials from the National Infrastructure Unit in early September to discuss planning. They pointed out that aggregate availability is key to implementing the infrastructure plan and that research into New Zealand's aggregates to ensure appropriate local aggregate use is lacking. There will be further discussion after the National Infrastructure Advisory Board meets in October.



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Mike Lord, **CHAIRMAN**

# Multi-benefits of being an AQA member company

There are many advantages for members of the AQA aside from the association providing strength in numbers. The AQA's goal is to represent its member's interests and lead the industry forward through clear strategic vision, sound governance, and management best practice. It provides central and local government liaison and industry liaison and lobbying.

Members have access to planning and technical support via those two AQA committees.

The Planning Committee proactively watches all government legislation, provides advice for members and lobby's councils to ensure they are planning for future aggregate resources.

In the past year key planning activity included:

- Review and submit on national and regional planning policy:
  - Crown Minerals review.
  - Foreshore and seabed.
  - Stage two RMA.
  - Regional policy statements.
  - Other areas of significance e.g. co governance of rivers in the Hawkes Bay.
- Maintain a regular planning alert to notify members of district planning reviews.
- Update the Planning Guideline for the Aggregate and Quarry Industry.
- Maintain an industry collaborative group to discuss, advise and strategise proactive planning.
- Provide a representative on the Auckland Spatial Plan Rural Advisory Panel.
- Develop sound relationships with central, regional and local government in regard to quarrying and aggregate matters.

Major technical projects include:

- NZS4402 and 4407 Roding Standards update.
- NZS 3111 and 3121 Concrete Standards update.
- Joint BRANZ/CCANZ/AQA study on recycled concrete aggregates for concrete.
- National Pavements Technical Group progress with M/4, M/3 etc.
- Continued alliances and relationship building including overseas contacts.
- Communication with members to determine what they want from the Technical Committee.

AQA members have the opportunity to have their listings on the Polished Stone Value Database and Coloured Aggregate Database on the Association's website technical pages.

Health and safety are paramount, and to help improve the industry's competence, the AQA initiates, promotes and supports industry training and health and safety initiatives through maintaining an active roll within EXITO, including an ongoing representation on the Exito board and strong representation on EXITO Specialist Advisory Groups.

AQA also supports and promotes health and safety in member's work environments through maintaining an active role within MinEX and retaining two representatives on the MinEX board. Members receive regular Safety Alerts.

The AQA works on behalf of members to increase the industry's profile with local, regional, and central government, with the general public and users of our products. Its aim is to improve the perception of quarrying by promoting why our industry is important and why we need to plan for our future needs. To this end every opportunity is taken to provide numerous industry topics for regular journal article and new media statements.

Of course, AQA members have the annual opportunity to gather together to hear industry specialists and to socialise at the QuarryNZ Conference. It's a time of celebration for the industry, its suppliers and supporters.

Members receive a complimentary copy of the association's newsletter, Aggregate News quarterly and have the AQA website resource. Members also receive issues of Contractor and Q&M free of charge.

They are provided with a certificate of membership and the opportunity to use the AQA logo on their business stationery.

Last, but by no means least, members are able to vote for representatives on the AQA Executive Board. Serving on the council is an opportunity to be part of a high-powered group of industry leaders and it is definitely a knowledge enhancing experience for council members.

# Transformation at EXITO

EXITO has undergone a major transformation over the past year, with a new organisational structure and business model set to deliver better service and results for stakeholders.

The changes come in response to the government's intention to achieve better results from the industry training sector, through the introduction of a performance-based funding system focusing on credit achievement, qualification completion and industry cash contribution.

"We had to find a way to improve on our performance in these key areas, so we undertook comprehensive research with our industry stakeholders to identify how this could be achieved", said Kevin Walker, EXITO's CEO. "The research showed us different companies need different levels of support to meet the aims and obligations of industry training. Major change was the only way to improve the way we do business, to offer the flexible service model that our stakeholders have told us they need" he said.

The transformation process began with a review of EXITO's organisational structure, which identified the need to have more people on the ground, to focus more effort on company and trainee engagement.

EXITO's Training Advisors now work within three industry groupings: Extractive (quarrying, mining, non-hydrocarbon drilling), Oil & Gas (gas, petrochemical/enchem, hydrocarbon drilling) and Resources (blaster coating, hot dip galvanizing, resource recovery & solid waste). Each of these groupings is led by an Industry Manager who is responsible for the strategic needs of the sectors within these groupings.

"Splitting the strategic and field aspects of industry engagement was a critical step in the change process. Our three Industry Managers now lead the strategic liaison with our industries and manage the sector Strategic Advisory Groups (SAGs), which allows our Training Advisors to focus their efforts 100% on the companies and trainees that need our support," said Kevin Walker.

The other major step in the transformation process was the introduction of EXITO's

new flexible service delivery model in July 2011. With three different service levels, (Full, Shared and Self Service) the model offers companies the opportunity to be hands-on, hands-off or somewhere in between in terms of managing training and progressing trainee competency.

"It's a big change to the way we have operated in the past, but we are confident that it will give us the opportunity to provide support to our companies in a way that suits them. It's early days yet, but many companies are opting for the Full Service level. They can see that if EXITO doing the hard yards in terms of managing training and assessment, it leaves the companies free to focus on their core business. It's a win-win."

Further information on EXITO's activities can be found on the website: [www.exito.org.nz](http://www.exito.org.nz)

# Inspiring presentation at the QuarryNZ Conference

Keynote speaker at the conference was Jim O'Brien, President of UEPG (Union Européenne des Producteurs de Granulats), the European Aggregates Association.

Jim's presentation: 'Key challenges of the European Aggregates Industry as opportunities for New Zealand?' was engrossing – his extensive knowledge and charming delivery had his audience keen to hear more.

A special meeting was held for delegates to talk with Jim and everyone was left with feelings of inspiration and purpose.

While Jim was in New Zealand, the AQA organised a dinner for industry leaders who had the opportunity to talk with him about issues facing New Zealand.

During his numerous official and unofficial meetings, Jim mentioned numerous websites of interest to us in NZ and if

anyone didn't managed to get them down in time, here they are:

**UEPG website:** [www.uepg.eu](http://www.uepg.eu).

**Annual Review 2010-2011. Just released:**

<http://www.uepg.eu/index.php?pid=7>, and  
[http://www.uepg.eu/uploads/documents/pub-39\\_en-uepg\\_annual\\_review\\_2010-2011\\_en.pdf](http://www.uepg.eu/uploads/documents/pub-39_en-uepg_annual_review_2010-2011_en.pdf).

**Sustainable Development Awards**

**Brochure:**

[http://www.uepg.eu/uploads/documents/pub-28\\_en-uepg\\_-\\_sd\\_awards\\_2010.pdf](http://www.uepg.eu/uploads/documents/pub-28_en-uepg_-_sd_awards_2010.pdf).

**UEPG Biodiversity Case Studies:**

[http://www.uepg.eu/uploads/fmanager/matrix\\_website\\_biodiversity\\_case\\_studies.pdf](http://www.uepg.eu/uploads/fmanager/matrix_website_biodiversity_case_studies.pdf).



Jim O'Brien received a traditional welcome from Ngahihi o te ra Bidois who officially opened the Rotorua conference.

**UEPG Water Management Case Studies:**

[http://www.uepg.eu/uploads/fmanager/database\\_water.pdf](http://www.uepg.eu/uploads/fmanager/database_water.pdf).

**Industry Safety:**

Safety alerts & updates: [www.safequarry.com](http://www.safequarry.com). You can register for free email alerts.

**Safer by Design:**

[http://www.safequarry.com/safer\\_by\\_design.aspx](http://www.safequarry.com/safer_by_design.aspx), then click on appropriate section for detailed specifications.

**Cement Sustainability Initiative, Driving and Contractor Initiatives:**

[http://www.wbcscement.org/index.php?option=com\\_content&task=view&id=170&Itemid=229](http://www.wbcscement.org/index.php?option=com_content&task=view&id=170&Itemid=229), then download the two documents.

**Health:**

European Social Dialogue on Respirable Crystalline Silica: <http://www.crystallinesilica.eu/>.

Then <http://www.crystallinesilica.eu/rcs-workplace-exposu.html>, and <http://www.nepsi.eu/>.

**Raw Materials Initiative & Strategy:**

[http://ec.europa.eu/enterprise/policies/raw-materials/files/docs/communication\\_en.pdf](http://ec.europa.eu/enterprise/policies/raw-materials/files/docs/communication_en.pdf).

The EU Raw Materials Strategy aims at exchanging good practice in respect of national minerals and land use planning.

The European Commission, by respecting subsidiarity, calls on EU Member States to develop national strategies.

UEPG pro-actively collects these good practices in order to facilitate the development of industry friendly national initiatives fostering access to resources. Some good examples are listed below:

**Finland**

The Finnish ministerial working group on climate and energy policy has commissioned the preparation of a Minerals Strategy for Finland.

The key terms of reference have been to anticipate international and domestic development trends in the minerals sector over the next few decades, and to make recommendations concerning the formulation of a sustainable minerals policy and the development of the minerals sector in a way that satisfies the needs of both society and business. The minerals sector covers the mining industry, which produces metallic ores and industrial minerals, as well as other extractive industries that refine rock material and natural stones. Follow the link to download the Minerals Strategy for Finland: [http://www.mineraalstrategia.fi/etusivu/fi\\_FI/etusivu/\\_files/84608401427464240/default/FinlandsMineralsStrategy.pdf](http://www.mineraalstrategia.fi/etusivu/fi_FI/etusivu/_files/84608401427464240/default/FinlandsMineralsStrategy.pdf)

**France**

In cooperation with the French Government, UNPG has developed a White Book 'Livre blanc' providing a vision for 2030 and the upcoming challenges for the French Aggregates Industry. The 'Livre blanc' comes up with 22 proposals on how to improve sustainability of the sector: [http://www.unpg.fr/actualites/actualites/clone\\_\\_\\_22\\_propositions\\_pour\\_un\\_approvisionnement\\_durable\\_en\\_granulats](http://www.unpg.fr/actualites/actualites/clone___22_propositions_pour_un_approvisionnement_durable_en_granulats). To download the 'Livre blanc': [http://www.unpg.fr/actualites/actualites/clone\\_\\_\\_22\\_propositions\\_pour\\_un\\_approvisionnement\\_durable\\_en\\_granulats?file=501](http://www.unpg.fr/actualites/actualites/clone___22_propositions_pour_un_approvisionnement_durable_en_granulats?file=501)

**Germany**

The "Deutsche Rohstoffagentur (DERA)" was founded in October 2010 and will be based in Hannover at the headquarters of the German Agency of Geoscience and Raw Materials. DERA will serve as a platform for information and as a consultancy for minerals and energy raw

materials. The focus is on availability and supply as well as resource efficiency. Link to the Agency website: <http://www.deutsche-rohstoffagentur.de>

**Lithuania**

In response to the EU Raw Materials Initiative launched in 2008, the Lithuanian government has developed a "Strategy for the Optimum Use of Lithuanian Underground Mineral Resources". In 2010 The Baltic Journal of Road and Bridge Engineering published an essay on Lithuanian Mineral Resources, their reserves and possibilities for their usage in road building (Vol. 5, No. 4, p. 218-228). See link: <http://www.bjrbe.vgtu.lt/volumes/en/volume5/number4/05.php>

**Norway**

Norway is currently developing a national minerals strategy: <http://www.norskbergindustri.no/Om+Norsk+Bergindustri/Mineralstrategi>

**United Kingdom**

The British Geological Survey provides all information about Minerals & Planning, competences, aggregates levy, landfill tax, etc. In Britain the legal framework for land use planning is largely provided by Town and Country Planning legislation. This aims to secure the most efficient and effective use of land in the public interest and to reconcile the competing needs of development and environmental protection. Follow the link for more information: <http://www.bgs.ac.uk/mineralsuk/planning/legislation/home.html>

# Planning projects update

HGCL ref: 1020-125144-01 Horizons Regional Council - One

**Plan. Work Completed:** Attended Overall Hearing on 1 July 2008.

**Upcoming Deadlines:** Decisions released on 24 August 2010.

Email sent to AQA advising of decisions made on submissions.

Appeal period closed 18 November 2010. Understood no appeals

made by AQA. Environment Court mediation underway.

HGCL ref: 1020-122427-10 Auckland Regional Council. **Work**

**Completed:** AQA provided feedback on the Auckland Regional

Policy Statement and preparation of a new Auckland. Regional

Land Transport Strategy on 11 November 2008. ARC posted a

summary of all feedback on their website in mid December 2008.

**Upcoming Deadlines:** Due to Auckland super city the ARC decided

not to publicly notify the draft ARPS before it was dissolved. It is

understood that the RPS will develop from the Auckland Plan (the

Spatial Plan). Consultation is currently underway on a discussion

document for the Spatial Plan.

HGCL ref: 1020-122427-11 Environment Bay of Plenty. **Work**

**Completed:** AQA provided feedback to EBOP's Issues and

Options Paper on the Regional Policy Statement to recognise and

have greater provision for aggregates and minerals in the RPS

on 22 January 2009. **Upcoming Deadlines:** Proposed Regional

Policy Statement notified 9 November 2010, submissions closed 8

February 2011 (183 Submissions received). Further submissions

due 19 May 2011.

HGCL ref: 1820-128362-01 Environment Waikato Regional Policy

Statement Discussion Document. **Work Completed:** Submission

lodged with Environment Waikato on 9 April 2010. N.B Harrison

Grierson was not engaged to prepare a submission on the

Proposed RPS document. **Upcoming Deadlines:** The proposed

Waikato Regional Policy Statement was notified on 3 November

2010. Submissions closed 28 February 2010. Summary of

Submissions document is yet to be released.

Northland Regional Policy Statement Review. **Work Completed:**

AQA previously reviewed a Discussion Document as part of the

review of the Northland Regional Policy Statement and provided

comments in December 2010. **Upcoming Deadlines:** Northland

Regional Council is aiming to release a Draft Northland Regional

Policy Statement for public comment mid-late 2011 (no firm date

provided). Notify the Proposed Northland Regional Policy Statement

late 2011 (no firm date provided).

Bay of Plenty Regional Policy Statement Review. **Work**

**Completed:** AQA previously reviewed a Draft BOP Regional Policy

Statement and provided comments in April 2010. AQA reviewed

and submitted on the Proposed BOP Regional Policy Statement

in February 2011. **Upcoming Deadlines:** Hearings are scheduled

to commence on Thursday 15 September and finish by Friday 14

October 2011. AQA to present joint Evidence in conjunction with

Winstone Aggregates and Fulton Hogan on 20 September 2011.

Waikato Regional Policy Statement Review. **Work Completed:** AQA

previously reviewed a Draft Waikato Regional Policy Statement and

provided comments in March 2010. AQA reviewed and submitted

on the Proposed Waikato Regional Policy Statement in February

2011. AQA reviewed Summary of Submissions document and lodged

further submissions in July 2011. **Upcoming Deadlines:** Hearings

currently scheduled to start in 2012.

Proposed West Coast Regional Land and Water Plan. **Work**

**Completed:** AQA previously reviewed the Proposed West Coast

Regional Land and Water Plan and lodged a submission in October

2010. AQA reviewed a Summary of Submissions document and

lodged further submissions in January 2011. **Upcoming Deadlines:**

The West Coast Regional Council to commence Hearings (no date

provided).

**Canterbury Regional Policy Statement Review. Work Completed:**

AQA previously reviewed the Draft Canterbury Regional Policy Statement and provided comments in December 2010. AQA reviewed and submitted on the Proposed Canterbury Regional Policy Statement in August 2011. **Upcoming Deadlines:** Environment Canterbury to notify a Summary of Submissions document which the AQA will review and have the option of lodging further submissions in support of or opposition to any primary submissions (no date provided).

**Crown Minerals Act Review. Work Completed:** AQA previously reviewed a Discussion Document on a review of the Crown Minerals Act 1991, and provided comments in October 2010. **Upcoming Deadlines:** The Ministry of Economic Development is preparing a revised review document looking at the minerals programmes and regulations, as well as the Crown Minerals Act 1991, which they are aiming to finalise for consultation in 2011 (no firm date provided).

**Road Metals Company Ltd Wards Road Quarry (Selwyn District).**

**Work Completed:** AQA lodged submissions with Selwyn District Council and Environment Canterbury in support of proposed aggregate quarry located on Wards Road in March 2011. **Upcoming Deadlines:** The Ministry of Economic Development is preparing a revised review document looking at the minerals programmes and regulations, as well as the Crown Minerals Act 1991, which they are aiming to finalise for consultation in 2011 (no firm date provided).

**Auckland Plan Discussion Document (Auckland)). Work**

**Completed:** AQA previously reviewed the Auckland Plan Discussion Document and provided comments in May 2011. **Upcoming Deadlines:** Auckland Council is aiming to publish and notify a Draft Auckland Plan in September-November 2011 which the AQA will be reviewing and submitting on.

**Thames Coromandel District Council. Work Completed:** AQA Planning Committee members met with Council on their district plan review to emphasise the importance of aggregate extraction as distinct from other mining activities. The Council indicated a general acceptance that aggregates sits outside of mining and aggregates need to be planned for.

**Hawkes Bay Regional Council. Work Completed:** The planning committee has reviewed the Ngaruroro River Flood Protection & Drainage Scheme: Ecological Management & Enhancement Plan, AQA members will meet with HBRC to discuss implications.

**Environment Canterbury. Work Completed:** Land and Water Regional Plan, ECAN have asked to meet with AQA to discuss their National resources regional plan. Representatives from the planning committee will meet with ECAN on a date to be arranged.

**National Infrastructure Unit. Work Completed:** AQA have met with the NIU to discuss aggregate supply, to allow them to build the projects they have planned. This meeting was as a result of the launch of the National Infrastructure Plan 2011.



“The Perry Resources management and operational team clearly considered such investment part of their commitment to environmental sustainability and being a member of a community that values the ecological and visual amenities of the area.”

Dr Morgan Williams

# Environment the winner at Perry Resources

Winner of the MIMICO Environmental Award 2011 is Perry Resources Waingaro Quarry, Ngaruawahia.

Presenting the award at the Quarry NZ Conference was environment professional Dr Morgan Williams, a former Parliamentary Commissioner for the Environment and currently an Adjunct Professor at the Universities of Canterbury and Queensland. He commented "this quarry extension project has created habitats for many plants and animals, including the rare native fish the Giant Kokopu, that are much better than those that prevailed on the land and in the streams prior to development."

The Environmental Award encourages Aggregate and Quarry Association (AQA) member companies and their staff of to establish and implement programmes of environmental importance to their operations and to the wider industry.

Dr Williams said of the Perry Resources project that the local community had

been participants in many stages of the development and visited the quarry and restoration area.

This included a very innovative fish passage, restored wetlands, a 35 m high bund planted with eco-sourced trees, car-park and re-routed section of a rail trail that links to a major walkway through the forest above the quarry.

The development was a \$1.5 million investment for the company. A significant proportion of this was on the ecological restoration component, which went well beyond what was essential for compliance.

The AQA and MIMICO, suppliers of heavy machinery, are committed to encouraging environmental excellence. For several years now, MIMICO have sponsored the presentation of the Industry's Environmental \$5,000 education award to be used for ongoing environmental initiatives. The award highlights the tremendous environmental efforts being made by the industry.



Phill Houben Engineering Manager at Perry Aggregates, Waingaro Quarry, Ngaruawahia receives the MIMICO Environmental Award from MIMICO Managing Director Rex Davies with judge Dr Morgan Williams at far right.

# Technical committee report

I am pleased to take over the chairmanship of the Technical Committee from Jason Lowe and being on this committee since its formation, I appreciate the large number of technical projects we have on the go and the amount of effort that goes into them. So would like to thank Jason for his stewardship and steering of this committee and excellent leadership, which will be a hard act to follow.

At the same time would like to welcome Stacy Goldsworthy of Winstone Aggregates on to the committee. Stacy is also our AQA technical representative on the NZRMCA technical committee, where we have cross liaison links with other major industry groups related to aggregates such as Roading NZ, CETANZ and CCANZ/ NZRMCA, to minimise any replication across groups and ensure all are kept informed of each other's technical activities as they overlap.

The review of NZS4407: 1991, Methods of Sampling and Testing Road Aggregates, under a steering group representing RNZ, CETANZ, IPENZ and AQA, is well under way. It is on its third package of tests that are being reviewed through industry feedback from practitioners themselves including laboratories, technicians and engineers. This third group of tests includes solid density, crushing resistance, weathering quality index, LA abrasion and CBR.

The steering group for the final stage will then be looking at adopting any further new aggregate test methods from overseas not in the current standard that could benefit aggregate material characterisation in NZ. The review process of this national aggregates testing standard with Standards NZ has been very successful and likely to become the model for review of other similarly related materials standards such as concrete.

The NZTA/RNZ National Pavements Technical Group (NTPG) on which we are represented, is nearing completion on the standard NZTA test method specification T/19 Mix Design Testing of Modified and Bound Pavement Layers. There are some minor test details to resolve where a small group of specialised lab technicians are getting together in October to finally hammer out.

Also on NPTG's work plan is the review of NZTA's standard specification on basecourse aggregate M/4 based on NZ research, in particular recent research into extending pavement life through the investigation of premature distress in unbound pavements.

However, there have been various research themes on basecourse aggregate over the years including performance testing, and another new flavour has come into it regarding quality control and statistical compliance of aggregate. So there is a whole plethora of potential changes to our standard M/4 basecourse specification where guidance and direction is required from NZTA and a strategy developed for managing this process properly by NPTG. The AQA Technical Committee will play a big part in the upcoming review of M/4 to ensure aggregate supplier's issues are taken on board.

The AQA Technical Committee was given the opportunity to comment on the Notes to NZTA T/10 Specification for Highway Skid Resistance Management, which inherently places a big reliance on polished stone value (PSV) testing. Comments on the Notes to T/10 have been passed back to NZTA's Skid Technical Advisory Group (STAG). We are endeavouring to arrange a meeting with them to discuss sustainability issues regarding aggregate PSV supply.

The next technical committee meeting is scheduled for the end of September 2011.

Robert Patience, **CHAIRMAN AQA TECHNICAL COMMITTEE**



# A big thank you to the Rotorua Conference organising committee

The Rotorua Conference organising committee, from left: Craig Payne, Les Ward, Ray Haley, James West, Geoff Moore, Todd Robbins, Allan MacDonald, Grant Amundsen, Tracey

Amundsen, Lee Brightwell, Jon McCallister, Eric Souchon and Dean Torstonson. But a few key people are missing from the group – Pat and Adrian Mattinson and hula man Roger Parton!





The Institute of Quarrying and the Aggregate & Quarry Association gratefully acknowledge support from the following sponsors:



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