

# Aggregate News

AGGREGATE & QUARRY ASSOCIATION OF NZ | JUNE 2014



**A big new baby  
arrives at the quarry**

**aqqa**

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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: [office@aqa.org.nz](mailto:office@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.



I am particularly looking forward to the QuarryNZ Conference this year for the opportunity to meet Professor Susan Tighe and benefit from her extensive knowledge about pavement. It's a hot topic at the moment and our conference speakers reflect that. It will be especially interesting for our Technical Committee as the principal advancement this year has

been addressing the issues surrounding PSV. There is now agreement with NZTA to closely examine other tests, to help establish the durability of aggregates for this critical end use.

I am also looking forward to meeting up with you at the conference – there is a lot going on in the industry right now and I am keen to hear your views about where we are now and where we are headed. Do share your views with Board representatives and AQA staff.

In my last column I mentioned that as an industry we need to stand united, so it is with great pleasure that I welcome the following companies to the AQA: Lake Road Quarries, Wellsford; Bellingham Quarries, Kaitia and Wharehine Ltd, Wellsford. I hope we might meet representatives at the conference.

Our AGM will be at 1 pm on Wednesday 16 July at the conference venue. It is your opportunity to catch up on AQA's activities in the past year, ask questions and make suggestions. It is also when you vote in your Executive Board members. I urge any company out there to consider making a senior staff member available for Board representation. The Board is a high-powered group of industry leaders, and serving on it is a knowledge and career enhancing experience.

The past few months have seen lots of activity on the health and safety front including developing the guidelines for quarries, work that was started by the Quarry Industry Working Group and has now been taken over by WorkSafe NZ, which has formed a separate working group.

Our Planning Committee has been kept on its toes successfully responding to the draft Auckland Unitary Plan. This has been a long drawn out process but the experience should prove beneficial to our members if the talk about further amalgamations in other regions becomes a reality.

The AQA will submit to the Southland District Council's District Plan in support of our local members and similarly to the Hutt City District Council. Our underlying objective is to keep voicing the importance of quarrying aggregates close to their end use, and to highlight some of the international horror stories of large cities running out of aggregates.

See you at the conference!

**Andrea Cave, Chair**



# 46<sup>th</sup> QuarryNZ Conference



The 46<sup>th</sup> QuarryNZ Conference 2014 is themed 'Our Giants of the North e mihi ana kingi hau tupu o te tai tokerau' and will be in Whangarei, Northland on 16 to 18 July. There will be some thought provoking and dynamic speakers, including the Hon Simon Bridges, Minister of Energy and Resources. Here are some of the highlights:

Our keynote speaker is **Professor Susan Tighe** from Canada. She is the author of over 400 technical publications in pavements and infrastructure and is involved in a number of research projects both nationally and internationally. She was named one of Canada's Top 40 Under 40 for her leadership and vision with respect to the Canadian Transportation Community in 2006 and was a 2009 recipient of the inaugural 40 Under 40 in the Region of Waterloo.

**John Donbavand** is National Pavements Manager, NZTA, and he will be discussing changes to aggregate specifications and policies. His paper briefly outlines the research that has been carried out by a number of dedicated researchers and indicates what changes NZTA are considering.

On a similar topic, **Peter Genek**, a partner in Opus International Consultants, will cover the key findings from a recent statistical modelling study to identify the comparative on-road skid resistance performance of aggregate sources that have been used on chip-sealed sections of the State Highway network.

**Kevin Bligh** is a Senior Planner in Golder's Christchurch office. Prior to joining Golder, Kevin held a resource management role at Winstone Aggregates and previously worked within local government. Kevin was also a long-term member of the AQA's Planning Committee. Kevin's presentation highlights the potential threats posed by irrigation schemes to quarrying operations, the benefits of taking a whole of industry approach to a shared problem, and ways to maximise the use of natural and physical

resources. The recently approved Central Plains Water Enhancement Scheme has predicted an increase in groundwater levels in areas of authorised aggregate extraction of between 1 to 5 metres. This poses a threat to aggregate extraction operations within greater Christchurch where maximum excavation depths and associated mineable reserves are typically regulated by highest recorded groundwater levels. The aim of this resource management control is to promote the protection of the underlying groundwater resource.

Further to this, as the speed of the earthquake recovery accelerates, Christchurch is faced with an increasing demand for aggregates. This demand is predicted to last for at least the next decade and coincides with a reduction in the sustainable yield of river sourced aggregate volumes and the approaching exhaustion of a number of large established quarries.

**Alistair McIntyre** has brought together a group of local industry operators and experts to create a foundation course for high school students interested in pursuing a career in civil contracting and infrastructure. His enthusiasm and passion for the industry has proved to be an inspiration for schools, students and industry representatives.

With the help of some good friends and key industry contacts, he launched the Youth Into Industry Programme (YIIP) which is specifically designed for high school aged youth to promote the industries as professional career paths and introduce them to the requirements for pursuing a career in civil construction and infrastructure.

If you want to book your place at the conference you had better be quick. Early bird registrations closed at the end of May but you can still register at <http://www.quarrynz.com>.

*The conference venue is Forum North in the heart of Whangarei's entertainment precinct and is home to the city's main theatre and exhibition hall.*



# From small beginnings...

Brian and Gretta Withers started quarrying in the late 1990s.

**T**hey needed some drainage stone and the best product available in Otorohanga came from Staples but the pit had closed. So the Withers decided to seek resource consent on another site. It was a long and costly exercise but ended in success with the consent running until 2024. Brian managed to market their resource with a very large concrete company in Auckland.

The cream of their crop is decorative exposed aggregate – they now supply 30 concrete plants throughout the upper and central North Island. Other products are used for drainage stone, sand, for the building industry, roads, races and a minor proportion of all products goes to garden supply.

The quarry has yielded a respectable income for the land owners through royalties and an income stream into Otorohanga from Auckland – a nice change! – as well as employment for local people. Brian and Gretta, who have been members of the AQA for a number of years, have seen their business grow from a small one-man band to a busy little enterprise employing ten staff including themselves and part timers.

Now they are employing even more staff with their recently opened Barton Quarries. It began when Ngahape Farms management committee asked them to look at opening a quarry on their farm. Brian and Gretta have successfully secured consents for 40 years.

This new venture is bringing more development to the region as well as jobs. The purchase of a new 52 tonne digger and its arrival to the new site was a very exciting day for the family and they are planning an open day when any interested members of the public will be welcome to come along and have a look. Looking ahead, the new quarry plans to offer a bigger range of products, still servicing the concrete industry but also focusing on roading and agriculture.

Brian and Gretta are quick to point out that they both had next to no knowledge of the quarrying industry prior to opening in 2001. Gretta had office administrative experience, but it was Brian's background in the water pumping hydraulics and the milking industry that brought a great deal of knowledge that could be utilised in their new quarry.

They had come to the realisation early in their business that there is a limit to output. They knew the decorative concrete market was 2% of the concrete industry's demand. This equated to much more than they could supply, but Brian is committed to being a reliable, on time, quality supplier, so they needed to be sure of production rates. They needed to know, in writing, what the plant could produce in tonnage per hour, and they ended up going with Wolfgang Weinzettl who then owned the firm TICl.

*It was an exciting day when 52 tonne digger was delivered.*







*The new digger earning its keep.*

Wolfgang has a Masters degree in relevant fields and was the only person who could answer Brian and Gretta's questions and would back his assertions up in writing. Brian refers to Wolfy as his "mad scientist" and Wolfy has, in their opinion, brought the twenty first century into New Zealand with his innovative knowledge of quarry mining and equipment.

The plant they commissioned in February 2001 at River Run Products Ltd, which meant a huge outlay for the couple, was the first of its kind at the time and, they believe, the best thing their money could buy. They had tried steel decked screens and due to the hard AA weathering rating of their stone, these wore out in as little as five weeks. At \$1500 per screen, this was something the couple couldn't sustain. The screen they commissioned uses five decks of polyurethane screen, has a linear motion and separates and washes six products simultaneously.

Brian and Gretta are great community-minded people, so were committed when in 2004 Brian partially unearthed a waka. Many people contributed hours and dollars to this piece of history that is now housed in a purpose built building at the Otorohanga Museum funded by the Historical Society, Otorohanga Council and Waikato Trust. Brian and Gretta are very glad the waka is preserved – it is the only partially completed waka unearthed so far and a great piece of local history for Otorohanga and for all to enjoy.

Brian and Gretta are also active members of various community groups – just to keep them busy! They carve stone in their spare time, and helped start the Kawhia Carvers' Club. Gretta also is a Marriage Celebrant and Justice of the Peace. Her interests include art and she attends various workshops and courses in painting.

# Heavy vehicle fleet performance

**T**he Energy Efficiency Conservation Authority (EECA) says that most heavy vehicle fleets can cut fuel costs by at least 10% through maintenance, driver training, improved fleet management and vehicle selection.

As well as lowering costs for operators, better fuel efficiency reduces national CO2 emissions and fossil fuel consumption. A more fuel efficient fleet is also safer, with road accidents reduced by as much as half.

You can try its self assessment form to measure how fuel efficient your fleet is now and to assess the potential for improvement.

Take a look at <http://www.eecabusiness.govt.nz/heavy-vehicles> to find out more about the programme and to also see case studies that include Winstone Aggregates and Downer NZ.



**“A more fuel efficient fleet  
is also safer, with road  
accidents reduced by as  
much as half”**



# Cover that load!

**T**rucks carrying aggregate are covered to stop spillage on the road and to save on fuel costs. Having covers on trucks at all times — loaded and unloaded — could create energy savings of around 8% according to a fleet audit carried out by EECA.

But manually covering trucks can be hazardous, and these falls add to the high incidence of vehicle related accident statistics. Check out this maintenance platform that makes working at the top of the vehicle secure. They are manufactured in NZ and available from the Easy Access Company.



*Pictures courtesy of NZ Steel*



*Disclaimer: 'Cover that Load' is produced only as a background for AQA members. Members must make their own assessments as to whether additional health and safety equipment would be of benefit to them.*

# Asbestos – the hidden killer

by Mike Cosman and Helen Parkes, Cosman Parkes Ltd

**A**sk 100 people in the street about asbestos and you will probably hear a sharp intake of breath, a comment about how nasty it is, and an observation that it's mostly a thing of the past and not a current concern for them. Well two of these bits of information are correct! Asbestos is still the biggest cause of occupational lung disease in the world (including NZ) and for most people it doesn't impinge on their consciousness in the way that mining or forestry or quad bikes do. Yet this is exactly why asbestos continues to be such a problem.

First a few facts:

- At least 200 Kiwis die from asbestos related diseases each year and the number appears to be rising. This compares to around 75 who die each year in workplace accidents.
- Being a smoker significantly increases your vulnerability to asbestos related diseases.
- The importation of products containing asbestos (ACMs) has not been banned in NZ (unlike Europe and Australia).
- There are hundreds of different building products that contain asbestos including vinyl flooring and textured ceilings as well as the better known Super 6 or Fibrolite.
- Hundreds of thousands of buildings in NZ still contain asbestos, much of which is deteriorating with age and hence increasing in risk.
- Many removal jobs carried out in the 1980s and 90s were not done well and there is still residual asbestos contamination around.
- There is no explicit obligation for building owners to routinely survey their properties for the presence of ACMs or to monitor its condition.
- There is no such thing as an OSH/DoL/WorkSafe "approved" asbestos contractor. Only individuals who supervise restricted work with asbestos have to hold a Certificate of Competence.
- The level of awareness of where to find ACMs is very low.
- The people most at risk now are tradies, especially builders, electricians, plumbers, telecoms, demolition contractors and those handling building

*What's in that dust?*





waste. DIYers are also putting themselves and their families at risk.

- We are at least 10 years behind international best practice when it comes to our approach to asbestos.
- There is a major review underway of the 1998 Asbestos Regulations and two new Approved Codes of Practice are due in 2015. These will impose significant new obligations on all parties. In addition, new duties and penalties in the Health and Safety Reform Bill are currently before Parliament.

### So what do I need to know and do?

The first step, as always, is to undertake an assessment.

- Do I have ACMs in my buildings? If so, what form is it in, what condition is it in and how likely are staff or others to be exposed to any fibres?
- Am I likely to be carrying out any work that might disturb ACMs – for example recladding or roofing a building?
- Am I likely to come across ACMs in contaminated land – for example excavation of former industrial sites?
- Is anyone likely to bring ACMs onto my site in the form of construction or demolition waste or scrap metal?
- How would I know what to look for, when to test and how to respond if I do find it?
- Do I have access to competent advice to ensure I don't either get ripped off or fail to manage the risk properly?
- Do my staff and contractors know about any asbestos issues in my business and what they should be doing to keep themselves safe?

- What are my consent conditions and how do I ensure I'm not going to breach them?

We recently undertook asbestos awareness training for a quarry operator with cleanfill sites across NZ. Within days of completing this training their tip staff had begun to identify suspect materials and either reject or quarantine loads pending testing. Previously these loads could have been dumped with a consequent risk to staff and neighbours and the potential for a huge fine from the council.

Events like the Canterbury earthquake have highlighted the scale of the problem but even without this our asbestos epidemic was likely to continue as post-war buildings reach the end of their life and get refurbished or demolished.

Asbestos is today's problem and will cause tomorrow's premature deaths. Are you playing your part in shedding light on the hidden killer in your business? More information can be found at: [www.business.govt.nz/worksafe/information-guidance/all-guidance-items/asbestos-factsheets](http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items/asbestos-factsheets)



Asbestos in a burned out building.

*Cosman Parkes is a specialist health and safety consultancy working with business leaders to rethink workplace safety. We have over 50 years combined experience and are Chartered Members of the Institution of Occupational Safety and Health and Members of the Institute of Directors.*

*Mike leads the NZDAA Asbestos Committee and sits on the WorkSafe Asbestos Guidance Group. He provides asbestos management advice and training to a range of clients in the property, construction, housing, energy and telecoms sectors as well as to WorkSafe NZ.*

# Safety and savings

Here are some links to saving on your Accident Compensation bills (it's nice to be recognised and rewarded for doing the right thing!)

## ACC Fleet Saver programme

<http://www.acc.co.nz/for-business/small-medium-and-large-business/how-to-pay-less/fleet-saver/index.htm>

ACC's Fleet Saver programme (ACC Fleet Saver) addresses a priority issue for New Zealand: the unacceptably high incidence and costs of heavy truck accidents on our roads. A complete package covering workplace, on-road and in-cab safety, it offers levy reductions to eligible businesses who demonstrate a strong safety culture and a commitment to the highest standards of safety among their employees.

Eligible businesses for the ACC Fleet Saver programme are businesses who own five or more vehicles weighing more than 3,500kg who can demonstrate strong safety management practices. Through the programme, businesses can reduce their ACC motor vehicle levies by 10 – 40%.

## ACC Workplace Safety Management Practices

<http://www.acc.co.nz/for-business/small-medium-and-large-business/how-to-pay-less/BUS00054>

Workplace Safety Management Practices recognises medium to large businesses (more than 20 employees) that have implemented effective health and safety systems and practices in their workplaces. If you qualify, it adds to the many business benefits of keeping your staff safe and rewards you by reducing your ACC work cover levies (this does not apply to residual levies). It is also a great way to position your business as an exemplar of good practice in your market.

## ACC Workplace Safety Discount

<http://www.acc.co.nz/for-business/small-medium-and-large-business/how-to-pay-less/workplace-safety-discount/index.htm>

ACC's Workplace Safety Discount recognises self-employed and small to medium businesses (less than 10 employees) that have implemented effective health and safety systems and practices in their workplaces. If you qualify, it adds to the many business benefits of keeping you and any staff safe, and reduces your ACC work cover levies. It is also a great way to position your business as an exemplar of good practice in your market.





# Through the looking glass with Alice



**A**n impromptu look at the economic climate and how it may impact on our industry.

The NZ Institute for Economic Research (NZIER), publishes a series of surveys and predictions which are compiled from a number of economic sources, including banks, Treasury, Reserve Bank Statistics NZ etc. plus their own analysis. The AQA are a subscriber to this service. Selected graphs that impact on our industry from their latest Quarterly Predictions Survey (Feb 2014) are as follows. Graphs are courtesy of NZIER.

- I have been having a robust debate with an industry colleague on what factors drive our business. At best we can agree that there are several, but disagree what are the most important.
- Both international and NZ studies suggest that population growth is the key long-term indicator, while recognising that there will be blips – like the global financial crisis – that arrest growth, particularly in infrastructure spend, but over the long-term population growth remains dominant.
- However there are many other facets which can have a profound day-to-day influence on what goes out the quarry gate in your patch – regardless, it seems, of what is happening population wise. These include the county's fortunes in commodity prices – particularly dairying. To quote one quarry owner in a recent interview "If farmers have money they'll spend it". Well yes, but agrarian cheque books have a habit of shutting like a clam shell if there is a sudden downturn.
- Similarly central and local government spend within your parish can have a marked impact if you are fortunate in getting the nod. Trouble is, both are being pretty tight fisted – a number of the latter being deeply in debt – and as such, spend is patchy across the country. Some provinces have recently picked up: others are still pretty dead.

- So I have to say my crystal ball is a bit cloudy regarding all this, but let's have a look at some of the figures or trends to see what we have got.

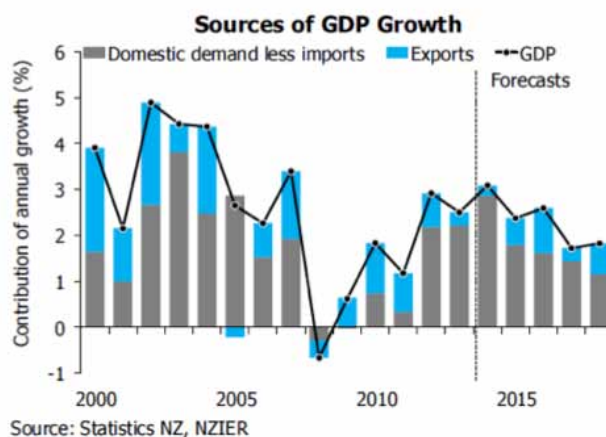


Figure 1

- Recovery continues, with predictions seeing us reach a giddy 3.5% or so by the end of this calendar year. Growth remains positive at around 2.0 – 2.5 % as the one off accelerants (Canterbury rebuild and a better than expected recovery from drought conditions) start to fade.
- As noted in my March column, building consents, residential and non- residential, continue to rise, particularly in Auckland and Canterbury. (Figures 2 & 3). Building in the Canterbury area is somewhat insulated from interest rate hikes etc. by insurance pay outs, which are not. What happens in Auckland remains to be seen, though government and the Auckland Council are committed to some 39,000 homes in Auckland. Non-residential is slowly being driven by private investment as business confidence grows, plus earthquake strengthening is playing its part, though under challenge for the level required by some commentators.

SEE MORE OVERLEAF ►

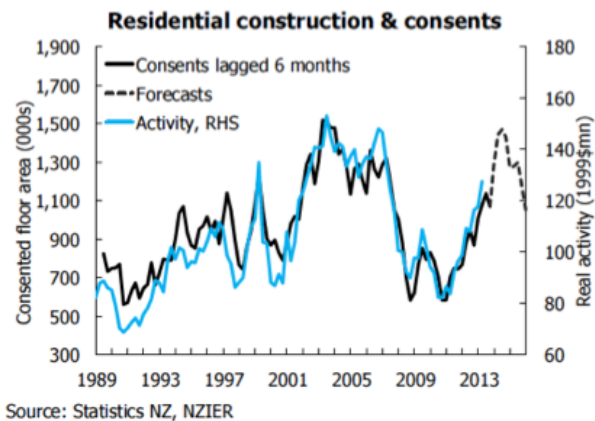


Figure 2

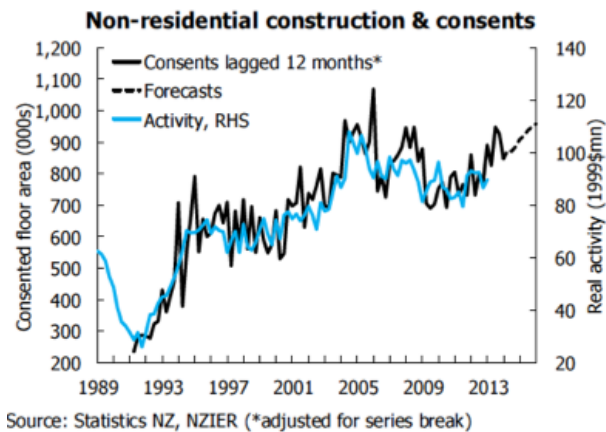


Figure 3

- Concrete production, continues its ballistic growth in Christchurch, with a modest upward trends continuing in the rest of the country (Figure 4).

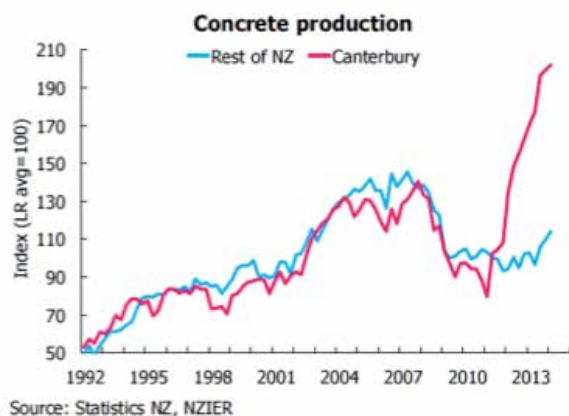


Figure 4

- I said in my opening remarks that population growth is regarded by some as the most important long term stimulus to aggregate going out the gate. We touched on this in the March column and

from ringing around it seems that it certainly has some influence in this regard, with some provinces reporting little activity, though the overall picture looks a tad more encouraging (figure 5).

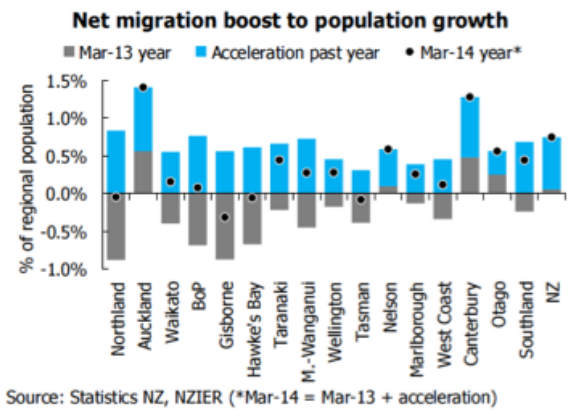


Figure 5

- One interesting graph (figure 6) is the spend by central government over a prolonged period, which shows that government spending has actually continued to rise and spending 'caps' or pauses tend to be temporary. The problem, as far as Alice is concerned, is that pauses tend to result in expensive catchups, whether for central government or municipal, with resultant hand ringing on how they will be funded. This in turn results in procrastination by politicians, with their nervous eye on our short election cycles. Unpalatable news for tax and rate payers is not good re-election fodder.

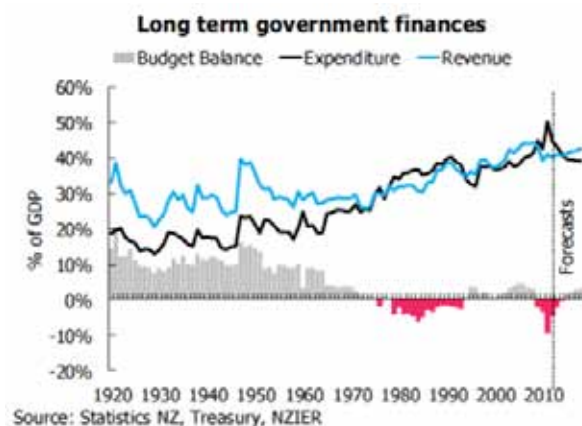


Figure 6

- This is not just a NZ problem. Some will recall reports regarding the state of the USA's national



roading network, built during the Eisenhower years and now in need of much expensive remedial attention. So we are not alone – short election cycles or not. And one thing's for sure, aggregates will be needed!

### Other indicators and Alice's thoughts

- Overall, economic forecasters are in a 'restrained bullish' mood. Certainly our economy has turned around and compared to many others is in relatively good shape.
- But as usual they point to some storm clouds lurking on the horizon and opinions, as always, vary on what may happen.
- The key factors contributing to uncertainty are a sudden slump in house sales, particularly in Auckland and as usual, the global economy, particularly China. I heard a report recently quoting a senior Chinese government official saying that the abrupt turnaround in their housing boom was "like the iceberg waiting for the Titanic to hit it".

- Just what effect this will have on our county's fortunes is still murky. Some 21% of our exports go to China, though the key commodity that may be affected is logs rather than dairying.
- On the home front the election draws closer and the election plums are starting to fall from political trees. Recent events with the formation of new parties and their impact on the eventual outcome are un-forecastable.
- But if you are looking for an edible morsel in the current political soup, I heard Dr. Russell Norman of the Greens say in a recent interview, that although they were against coal mining and deep sea drilling, they were not against "aggregate mining". There is hope for us yet!

*Disclaimer: 'Through the Looking Glass' is produced as a backgrounder for AQA members and as such, does not purport to be financial or strategic business advice from the AQA Board or its servants. Members must make their own assessments as to how the economy will affect their business in their own region.*

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For details please contact **Carol Delaney**,  
Editor, [carol@aqa.org.nz](mailto:carol@aqa.org.nz)

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# Technical Action Plan

## March 2014

No.	Project	What	Who	Next Action	When	Comment
1	NZTA "B" Series	Insitu & Plant Mix Modified & Bound Aggregates	AQA Tech Cttee via NPTG/ NZTA	Assessment by NZTA added value group	In progress	B5 published & currently being used. Publication of B6-B8 expected shortly. Confirm at NPTG Mtg 18 March
2	NZTA T/19	Mix design testing of stabilized materials	AQA Tech Cttee via Sub Cttee of NPTG	Further review of Spec Notes	18 March	Target date for report back to NPTG.
3	NZTA M3 and M4	Review of current specs	AQA Tech Cttee via NPTG	Further review at next NPTG Mtg	18 March	Statistical quality control a key issue for AQA members.
4	NZS 3111, NZS 3111.2, & NZS3121	Review of Standards	AQA Tech Cttee	Status quo despite submissions	Discuss cttee mtg 11 March	NZS 4407 and 3111 key for AQA.
5	Vibration Hammer Testing Methods	Review of current procedure	AQA Tech Cttee/Lab Staff	Study program to be drafted	Update 11 March	Discuss at next AQA Tech Cttee meeting
6	NZTA M/10	Review of Standard	NZTA/NPTG	NZTA conducting pilot trials to assess feasibility	Update at NPTG mtg 18 March	Target for review at next NPTG meeting
7	Geological Survey of South Island Aggregates	Classification of South Island aggregates	Led by Prof. Black University of Auckland	Complete. Next action review at Ag Inventory Cttee	12 April	Decision on where to next with information
8	PSV Precision Study	Determine precision limits of PSV testing in NZ labs	Relevant NZ Lab Tech staff organised by Downers & Higgins	Testing complete. Labs conforming to best practice.	Complete	
9	NZTA T/10	Response to latest draft of spec and notes	WSB/Tech Cttee	Review outcome of July NZTA meeting	Update at NPTG Mtg 18 March	Recommendations to AQA Board
10	PSV Database	Construction and maintenance of PSV and Source Property Results	WSB/AQA Tech Cttee/ NZTA	AQA not in a position to administer.	April	NZTA looking at other options but Inclusion of Source Properties as well as PSV strongly recommended by AQA Tech Cttee
13	Auckland City Specs	Further submissions required	WSB/Tech Cttee	Re- submit	31 March	Original submissions mostly accepted and now seem to be overlooked.

As at 3rd March 2014



# Planning and Environmental Action Plan

## March 2014

No.	Project	What	Who	Next Action	When	Comment
1	Auckland Council	Proposed Unitary Plan	AQA members/AQA	Lodge submissions	February	AQA submissions prepared
2	Kapiti Coast District Council	District Plan Review	AQA members/AQA	Await outcome of review	March-April	Formal hearings delayed until outcome of review known
3	Hurunui District Council	District Plan Review	AQA members	Decide to submit	To be advised	No action
4	Hastings District Council	District Plan Review	AQA members	Await operative version	To be advised	No action by AQA
5	Southland District Plan	District Plan Review	AQA members	Hearings	March-July	No action
6	Christchurch District Plan	District Plan Review	AQA members	Review draft chapters	March-June	Notification of rebuild-relevant chapters at end of 2014. The rest to follow 2015.
7	Greater Wellington Regional Council	Regional Plan Review	AQA members/AQA	Decide to submit	March	No action
8	Northland Regional Council	Regional Policy Statement Review	AQA members/AQA	Await outcome of appeals	April	RPS generally very positive.
9	West Coast Regional Council	Regional Policy Statement Review	AQA members/AQA	Await notification	To be advised	No action
10	Far North District Council	Draft Annual Plan	AQA/local operators	Review draft documents	April 1th	
11	NZ Petroleum & Minerals survey	Improve response & include recycling	WSB/Chief Executive	AQA CE to meet with P&M end March	March	More work to be done on recycling stats.
12	Department of Conservation	DoC Bio Diversity Offsets Guide - Draft	AQA Planning Committee	Await next draft	To be advised	Monitor via Straterra
13.	Department of Conservation	Conservation Mgmt Strategies	AQA in support of local members	Monitor via Straterra	To be advised	New Business opportunities consistent with conservation
14.	AQA Planning Guidelines Update	Review existing & include river gravel extraction	AQA Planning Committee /Board/ Mark St Clair	Update approved. To MfE	Complete	Changes up on MfE Website
15.	River Gravel Extraction Code of Practice	Draft Code submitted	WSB/ Planning Cttee/ Board/local members	Await advice from ECan re progressing draft	To be advised	Still awaiting advice from ECAN.
16.	NZIER Quarterly Forecasts	Receive and disseminate to Members.	WSB/CE	Reports to be circulated as they are published	On going	Summaries for members to be in Aggregate News.

As at 4th March 2014

The Aggregate & Quarry Association appreciates the support of our associate members:



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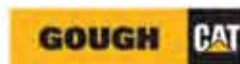
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[www.watercare.co.nz](http://www.watercare.co.nz)



[www.wirtgen.co.nz](http://www.wirtgen.co.nz)

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