

OPERATOR

February 2010 Edition



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"Calling Elvis" - Find out about his visit to the Qld Conference on page 5.

John Day, WIOA Vice President joining in the Movember fun! - check out the rest of the mo's on page 10



Tolsh and mates at WIOA's 11th charity golf day - find out who won on page 4.

Newsletter of the WATER INDUSTRY OPERATORS ASSOCIATION OF AUSTRALIA

From Cynthia's Desk



Welcome to a whole new decade and the first edition of 'Operator' for 2010 with just a little face-lift! I trust all members have received their WIOA 2010 mini calendar and have placed it in a prominent place so contact details for WIOA are always within easy reach. For the first time in a long time George took the entire month of December off (he couldn't help but pop into the office every now and again to check on things) and went fishing. He was very proud of his catch as you can see below.



We are now all back from leave and it's full steam ahead with work on the annual conferences in NSW, Qld and Vic and also still plenty of background work to get the certification scheme up and running. Our first opportunity to catch up with many of our members will be at the one day seminar on Optimising Chemical Dosing, Coagulation, Flocculation and Clarification which will be held in the SE suburbs of Melbourne in early March. Then onto our weekend seminar and AGM, in mid March at Warrnambool. For the non-Victorians, Warrnambool is situated on the SW coast of Victoria about four hours drive from Melbourne, it's famous for its whale watching and fantastic coastal scenery. If any non-Victorian Members are thinking of a mini holiday soon, try including the weekend seminar in your travels, it could be just the trick.

Any new year's resolutions made? Could I suggest aiming high in 2010 and ensure you make your way along to at least one WIOA event. There are seminars, conferences and charity events such as the golf day. Really challenge yourself and submit a paper or poster at one of our conferences – there are many fantastic prizes to be won. Share something with your fellow WIOA members and send in an article or photo for inclusion into 'Operator' or put in an application for the Kwatye Prize. So much on offer, all it needs is you!

Cynthia Lim

WIOA Operations Manager

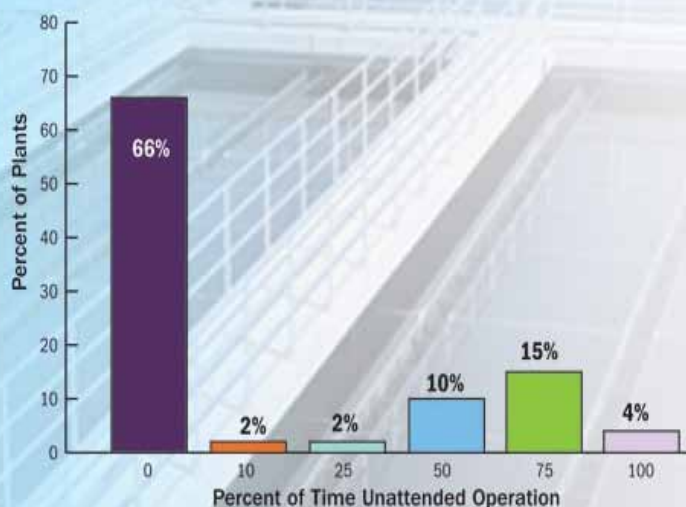
Members are reminded that 2010 Membership fees are now overdue. As advised in the January edition of "Words", a reminder invoice was sent out to all members who owed fees in late January. Any non-financial Members will be removed from the database in February.

Please save WIOA paperwork and pay your renewal TODAY!

The following graph appeared in the November 24, 2009 edition of the American Water Works Association 'Streamlines' newsletter.

Unattended Operation of Treatment Plants

In some states treatment plants cannot operate without a certified operator in attendance. The majority of plants reporting data for this survey do not operate unattended. However, a significant number (29%) operate unattended more than 50% of the time.



Based on a survey of 202 US utilities, 36 Canadian utilities and 2 utilities outside North America, operating 321 water treatment plants, conducted by AWWA for WaterStats, October 2008.

**WIOA MEMBERSHIP
HAS MANY BENEFITS.
IT NOW ALSO HAS
IT'S REWARDS!**



All financial members go into the annual draw in 2010 to win the fabulous Weber® Big Family Q™ 300 barbecue.

Sponsored by:



www.roycewater.com.au

PROFILE OF A MEMBER and her daughter

Name

Jillian Busch



Position

I have just joined Aqualift after being with Gippsland Water (Vic) for 14 years as a Scientific/Technical Officer. The new job with Aqualift is working as a water quality and condition assessment adviser amongst a range of 'other' jobs.

Employer & Location

Aqualift Potable Diving Pty Ltd - Qld & NSW.

How long have you worked in the water industry and where?

Past 14 years in the Gippsland region. Now - one month in NSW and Qld.

What do you enjoy most about your job?

Lots of things...! The diversity of issues that can present themselves along with their associated problem solving; the interaction with a variety of people; and the unlimited opportunities on offer if you have the ambition and drive.

How did you get into your current role?

I thoroughly recommend WIOA conferences for anyone looking to extending networks and creating new opportunities.

How long have you been a WIOA member?

Some time.. not sure how long.. maybe 10 years??

What does your current job involve?

Previously as a Catchment officer which was preparing and implementing Gippsland Water's catchment management plans, but now with Aqualift - making it up as I go along!

What have been some of the big changes in recent years?

Safe Drinking Water Act 2003 and Risk Management Plan implementation in Victoria.

Ok, a few quick questions to finish

Age: approaching a significant mile stone so the question is considered too rude for anyone to ask!! But I like to think around 35yo??

Nickname: Jilly

Pets: Two young, good looking divers and an old dog (sorry boss!)

Favourite food: Skinny latte

Least favourite food: Really hot spicy curries

Favourite TV show: Spicks and Specks

Worst TV show: Any time England Cricket team is winning against the Australian team

Favourite Movie: Love Actually -there is hope for all of us!

Current CD in stereo: Shane Howard Respective...

Favourite book: Aqualift Operations manual - only 50 pages to go (but it just keeps on evolving, so I may never finish it!)

Ambition in life: To be happy and to continue to keep learning.

Hobbies: Yoga, golf and walking/swimming at the beach.

Best Trait: dogged determination and always with a smile.

Worst Trait: dogged determination and asking hard questions.

Four people to invite to a BBQ: Someone to cook (maybe The Naked Chef), someone to entertain (George Clooney), someone to be silly with (George Clooney again), and someone to clean up (...ummm maybe George Wall...??).

Name

Hannah Busch

Position

Graduate Mechanical Engineer

Employer & Location

'us' - Utility Services/ South East Water

How long have you worked in the water industry and where?

9 months - all with South East Water

What do you enjoy most about your job?

Complexity of the system and friendships made at work.

How did you get into your current role?

My graduate consultancy position was made redundant, so I looked for a new role and luckily found this one!

How long have you been a WIOA member?

I have been too busy to sign up...better do it soon as Mum is threatening me!

What does your current job involve?

Determining mechanical upgrades and system improvements for water and sewerage systems within SEWLs operating area.

What have been some of the big changes in recent years?

The biggest change has been moving across to the water industry - most of my undergraduate work experience was in the mining (hydrocarbon) sector.

Ok, a few quick questions to finish

Age: 25ish

Nickname: Hanamu

Pets: Kookaburra cricket bat, purrrrr...

Favourite food: potato cakes

Least favourite food: dim-sims

Favourite TV show: Black Books

Worst TV show: those "current affairs" shows

Favourite Movie: The Shawshank Redemption

Current CD in stereo: Anything Metallica

Favourite book: The Bronze Horseman

Ambition in life: being strong in health, wealth and relationships

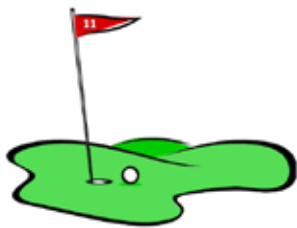
Hobbies: cricket, frolicking at the beach, beach volleyball, photography

Best Trait: what you see is what you get - honest, genuine person (when Mum is watching).

Worst Trait: trying to impress people with intelligence

Four people to invite to a BBQ: Steph, Brooke, Kristina and George Clooney (when I can steal him away from Mum's BBQ...)

WIOA CHARITY GOLF DAY – NUMBER 11



Another fine golfing day was spent in mid October 2009 at the Kilmore golf course in central Victoria. There were 42 players who came together and swung a few clubs, some hit a few balls, drank a few passiona's and downed some snags.

The winners of the day was the Hydro Innovations team who walked away with the tradies cup. Congratulations is also extended to the team from North East Water who came in second and ProMinent who placed third. Roland Heatley won the Accurate Detection putting competition (a very fancy putter indeed!).

Due to the generosity of our sponsors we managed to raise \$2,500. The proceeds will go to charities nominated by our conference hosts in 2010.

THANK YOU TO OUR SPONSORS & ALL THE PARTICIPANTS

Elite sponsors: Thermo Fisher Scientific, ITT Water and Wastewater, Accurate Detection & Hydro Innovations.

Gold Sponsors: EGL (Maintenance Services), ProMinent, Rad-tel Systems, United Water, Piping & Automation Systems, Grundfos, Utility Services, Bergmeier Engineering & MJK Automation

Silver Sponsors: Festo, Mono & Gippsland Water



Roland Heatley being presented his putter by Margarita Carroll.



Second place - North East Water Team



*Tradies Cup
Winners*



*Third Place -
ProMinent Team*

**There are many good
reasons to visit Bathurst
in April.....here's one**

Bathurst Box

2010
Bathurst
Rockhampton
Bendigo

In 2009, Bathurst Regional Council received the Institution of Engineers Australia, National Engineering Award for their contribution to sewerage treatment in NSW. The plaque on the rock below reads:

Bathurst Wastewater Treatment Plant

This treatment plant commenced operation in 1916 and has been progressively enlarged and upgraded to meet increased demand and higher effluent standards. The structures remain and demonstrate the evolution of sewage treatment technology in the 20th Century. In developing the Bathurst Box and in later research at the site, the NSW Public Works Department in partnership with Bathurst Council enhanced the removal of nitrogen, carbonaceous pollutants, and phosphorus without using chemicals. Adoption of this treatment system has improved effluent quality and produced significant economies in the construction and operation of sewage treatment plants in New South Wales, interstate and overseas.



Why not join WIOA at our 4th Annual NSW conference in Bathurst and visit the Wastewater plant, Mount Panorama and the other highlights the city has to offer.

WIOA CHARITY DONATIONS HELP REGIONAL CENTRES



WATER INDUSTRY DONATES TO SOUTH-WEST CHARITY

Wannon Water co-hosted the 2009 Water Industry Operators Association of Australia (WIOA) Victorian Conference.

WIOA raises money for Charity via its annual golf day and sale of caps. Via the generosity of WIOA members and corporate supporters, \$3000 was raised of which Wannon Water received half as conference co-host. Wannon Water was able to donate half the money raised to a charity of its choice.

"Wannon Water nominates The South West Community Foundation to receive the \$1500 donation as the Foundation is active across Wannon Water's service region."

The South West Community Foundation's charter is to strengthen the community of South West Victoria through the encouragement of local philanthropy. It does this by raising funds through special events, donations, workplace giving programs and bequests and makes grants available to eligible community groups from the revenue generated from its investments.

South West Community Foundation Director, Bill Quinlan said, "the Board of South West Community Foundation was extremely grateful for the donation, which will be used to progress its general activities across South West Victoria."



Wannon Water Managing Director Grant Green (R) and, Anthony Evans (L), presented the \$1,500 cheque to The South West Community Foundation Director, Bill Quinlan.



CONFERENCE FUNDS CHARITY CHEQUE

Barwon Water donated \$1500 to United Way following the annual Water Industry Operators Association (WIOA) conference in Bendigo.

The WIOA held a charity golf day, with funds raised from the event given to the water authorities which hosted the conference. As co-hosts of this year's conference, Barwon Water and Wannon Water were each presented cheques of \$1500 each to donate to a charity of choice. We chose to donate our cheque to United Way Geelong.

"United Way Geelong is a not-for-profit organisation that provides resources to support the need for high quality health and human care services to help improve lives and create positive, long-term social change in our community. United Way Geelong raises its funds through donations from Geelong residents and businesses and distributes this money to more than 70 health and human care agencies within the region."



Leigh Johnston (L) from United Way, Graham Thomson from Barwon Water and Rex Foord from United Way(R).

Charity Donation from Qld Conference

Those members that attended the Wednesday dinner in Caloundra will recall that the entertainment was provided by Brad Blaze doing some speed paintings. At the end of the night, the paintings of Elvis, Bono and Einstein were each auctioned off with proceeds to be donated to charity. Our thanks are again extended to Adrian Nisbett, Karen Patterson and Alan Hill who each purchased a painting. We'd also like to thank the mystery person who donated a substantial sum to be added to the amount donated to the Victorian Bushfire appeal. As a result, \$3,750 was able to be donated to charity.

We originally intended to donate some money to the Qld Flood Appeal and the rest to the Victorian Bushfire Appeal. Unfortunately, both these appeals had closed, so we donated all the money to the Yarra Glen Community Fire Relief Appeal – "Adopt a Container". This charity was established to provide shipping containers to families in the Victorian bushfire area to give them a secure and dry place to store their personal belongings, tools, materials etc whilst they rebuilt their homes and their lives.



From Little Things Big Things Do Grow

First Annual Conference Sewerage Engineers and Operators ~ Melbourne Friday 30th September 1938

Since WIOA set up the Operator Museum in our new office, we've had opportunity to flick through some of the items we have inherited. Amongst all the dusty equipment and manuals are notes from the very first engineers and operators conference titled: First Annual Conference Sewerage Engineers And Operators. There were 37 gentlemen present, gathered from around the state of Victoria, with Mr E.A Hepburn first on the list as Sanitary Engineer, Commission of Public Health and Convener. E.A. Hepburn is the namesake for one of our most prestigious conference awards in Victoria – Best Platform Paper Overall – Hepburn Prize and has been awarded at least since 1985 (the scope of our records).

The Opening address was by Mr. L.R.East, Chairman of the State Rivers and Water Supply Commission and his first remarks were:

'I am very glad to be here to-day to open this conference, the first of its kind to be held in Victoria, of Engineers to Sewerage Authorities with a view of interchanging ideas on design and operation of sewerage undertakings.....In 1932 only 6 provincial centres were sewered including Geelong, Bendigo and Ballarat, but to-day works are in operation in 16 cities or towns outside the metropolis, under construction in 2, and plans for the sewerage of a further 5 centres are now being prepared.....I feel sure that your deliberations to-day will be of great benefit to all concerned and particularly to the communities you serve in your respective capacities as engineers and operators, and I have much pleasure in declaring the conference open.'

The structure for the remainder of the conference took the form of various 'Discussions' being held, based on papers delivered such as the first paper from Mr E.A. Hepburn on 'Standards of Design for Reticulation Sewers', then Mr G.M Searle presented a paper on 'The Operation of a Trickling Filter' and Mr J Larkin on 'Land Treatment of Sewage'.



EDWARD ANDREW HEPBURN.

The last page of the conference notes concludes with the following:

RESOLUTIONS OF CONFERENCE

1. On the motion of Messrs. McCay and Nihill, it was decided that the Conference be an annual event.
2. On the motion of Messrs. Stewart and Searle, it was decided that the Conference for 1939 be held in Melbourne in Show Week.
3. On the motion of Messrs. McCay and Moore it was decided that the press be excluded from the next Conference.
4. On the motion of Messrs. Furphy and Scott, a Committee was appointed, composed of the following :-

Public Health Department	Mr. E.A. Hepburn, Convener
State Rivers and Water Supply Commission	Mr. H.W. McCay
Melbourne & Metropolitan Board of Works	Mr. E. F. Borrie
Provincial Sewerage Authorities	(Mr. G.M. Searle
Consulting Engineers	(Mr. S.G. Moore
	Mr. H.G. Furphy
5. It was further decided that the Melbourne and Metropolitan Board of Works be asked to co-operate in the investigation of flat-graded sewers with a sub-committee consisting of the representatives of the Public Health Department, State Rivers and Water Supply Commission, and Melbourne and Metropolitan Board of Works, and one or more Consulting Engineers co-opted by them.
6. The question of subjects for discussion at the 1939 Conference was discussed, and it was decided that members should submit their suggestions to the Convener before the end of October; that the Committee should decide on the subjects to be discussed, and notify all members of the Conference before the end of 1938, so that they will be able to collect data; and that summaries of the papers of the first and second speakers on each subject be sent to all members of the Conference before the next meeting.

KWATYE PRIZE



Could the 2010's be your decade? Want to travel a bit but don't have the funds? Want to work on that water based project but can't get it off the ground? Want to study to improve yourself and in the process your career but can't get motivated? Maybe it's time to consider the Kwatye Prize! Applications are being sought from WIOA members for the 2010 Kwatye Prize. With up to \$6,000 most of the questions above could be answered or maybe you have your own question..... Our previous winners have given us updates on life after winning the Kwatye Prize in this edition of Operator and also in the November 2009 newsletter. All previous winners are happy to talk to any potential applicants about the process, just contact the WIOA office for details. WIOA would like to thank Thermo Fisher Scientific for their generous support of this Prize.

KWATYE PRIZE WINNERS UPDATE

My Kwatye Prize application in 2006 about water loss identification and water savings. Within my work place this has now been formalised and is being run by a new department.

Wannon Water has recently formed a "Non revenue Water Group" with representatives from the Treatment, Distribution, Assets and Engineering depts. The group meets every 2 - 3 months to discuss the management of its assets and the options available to address water loss and has prepared a strategy and action plan.

At this stage Wannon Water has commenced a number of initiatives to target specific known areas of high usage/loss such as,

- Measuring water used during scouring and flushing of mains.
- Evaporation and seepage monitoring from storages.
- Internal usage and the recovery of water used in water treatment processes and monitoring.
- Water main replacement programs.
- Identify and implement District Metering Areas.
- Water main leakage monitoring programs internally.

Wannon Water is also a participant in the WSAA Leakage Reporting and Management Practices Project. The Kwatye Prize was one of the drivers of this project and is now going further than I thought possible. I am proud my employers supported me during my project and have taken it to even further heights. I fully encourage all members considering the prize to apply in 2010 – what have you got to lose?

Anthony Evans

PROJECT PROGRESS -

2009 Kwatye Prize Winner Bernd Vetter

LIFE BEFORE KWATYE

After recovering from my family trip to Germany and the news that my application was actually chosen as Kwatye Prize winner 2009, realisation hit that some action had to follow. A bit more clarity had to be drawn around stakeholders, project tasks and timelines and WIOA organised/participated in a meeting with Wayne Morling from Government Skills Australia. I then further presented the concept/idea of producing a targeted but general video about the water industry to try and excite and entice the younger job seekers into considering the water industry as a career path, to the Vic Water Advisory Committee (chaired by John Harris) in November and started to develop the script with our video producer. Being on a High School Council also allows me to engage with the Principal and Careers Advisor to understand their requirements as one of the end users. I am now in the process of collecting footage and writing a script. All will progress over the next few months. Now my biggest challenge will be identifying the supply chain to get the info to the coal face and ensure the video is seen by the target audience.

Anyone wishing to view Bernd's 'The Water Industry – Make it your Future' teaser video go to: www.wioa.org.au/awards/kwatye.htm



**Application forms
for the 2010
Kwatye Prize
are available
from the
WIOA website.**

Council Amalgamations in Tasmania

Contributed by **Peter Tolsher** – EGL Operations

In late March 2009 I was asked to travel around Tasmania with four other people to talk to council employees including office staff and operators to help prepare for the State governments plan to implement water reform. We were asked to share our experiences and journey from the transition process between council to the Water Authority.

The lucky people who travelled around Tasmania were Lexie Grady, Chris Maher, Jeff Roscoe, Michael Hardman and myself. We were given this rare opportunity as we had ties with North East Water's (NEW) ex MD, Jim Martin who was invited to assist in the role of helping the amalgamation process due to his experience in the 1996 Victorian water reform.

In Tasmania in early 2009, the Water and Sewerage Act 2008 was passed which deals with structural reform and the Water and Sewerage Industry Act 2008 which deals with the regulatory reform. The State Government has introduced legislation with the support of Local Government that establishes new water and sewerage corporations and an enhanced regulatory system.

The legislation establishes:

- 3 regional water and sewerage businesses – 1 North, 1 South and 1 North-West
- a 4th business to provide common services to the 3 regional water and sewerage businesses.
- an economic regulator who will independently set prices, set minimum customer service standards and monitor the performance of the businesses.
- an expanded role for the Tasmanian Ombudsman to resolve complaints from water and sewerage customers.
- the need for a yearly State of the Industry Report that monitors water quality and environmental performance as well as the financial performance of the corporations

Source: www.taswaterandseweragereform.com.au/explained.html

The main purpose of our trip was to reassure operators that they had options. As we had already gone through a similar process in Vic in the 1990's we could advise them and make them feel more comfortable with their decision to either stay with the council or transfer to the new authority.

Presentations were conducted at Ulverstone in the north west, Launceston in the north and Hobart in the south. The title of my presentation was 'Is there Life after Amalgamation' where I shared how my career path changed, moving from council to the water

authority then to private enterprise. The presentation highlighted the opportunities I have gained since the Victorian amalgamations.

The trip also included some sight-seeing, which was a bonus as none of us had been to Tasmania before. One thing that I picked up on and still never got used to was being referred to as 'the guy's from the mainland.'



The Mainlanders in Tasmania from left to right: Michael Hardman, Peter Tolsher, Lexie Grady, Jeff Roscoe, Chris Maher and Jim Martin. Photo taken at Cataract Gorge & First Basin, March 2009



Update from GSA

National Learning Resources Project

GSA are currently putting the final touches on the Certificate III and IV Learning resources aligned to NWP07 units of competency. Resources will be made available by March 2010 and can be purchased via order form on the GSA website under the Water sector: www.governmentskills.com.au

Continuous improvement of the Water Training Package

The National Quality Council (NQC) is currently on hiatus and will not be accepting cases for endorsement for review. We hope to submit our case for endorsement once new NQC requirements are met through continuous improvement of the Training Package. Much of this focus is on green skills and sustainability, together with amendments to the qualification structure. To keep updated on progress, please visit the GSA website.

Keeping up the pace

The last quarter of 2009 was one of the busiest WIOA has ever experienced.

Immediately after our Victorian conference in Bendigo in September, WIOA staff packed our bags and headed to not two, not three, but seven industry events between September and early December. We participated in most events as an exhibitor or presenter to further spread the word about what the association is about and what we do.

The events we attended included:

- NSW Local Government & Shires Assn, Water Conference – Deniliquin
- Trenchless Australasia Conference – Melbourne
- Australian Water Association, Queensland Regional Seminar – Coolumb
- WME Media Excellence in Commercial & Industrial Water – Melbourne
- AWA, Rivers & Reservoirs Specialty Conference – Canberra
- RAMROC – Riverina and Murray Region of Councils Engineers Meeting – Jerilderie
- Power & Water Corporation Water Conference – Darwin

Through attending these events, WIOA had the opportunity to network and engage with many water industry people who may not necessarily have been exposed to us via our normal circles. Importantly, we were able to gain an insight into other areas of our vast industry and we were able to assess how other events are managed so that we can make our events even better.



WIOA booth at the Rivers and Reservoirs Conference.

In conjunction with Water Infrastructure Group staff, WIOA hosted site tour and mini seminar on membrane technology in Melbourne in November. To top it all off, EO George and Peter Mosse headed off to South West Rocks, near Kempsey NSW, to deliver a customised and very hands-on version of the distribution systems seminar to Macleay Water and Port Macquarie staff.

The Xmas break was well received and has given us a chance to charge up the batteries again and head off in pursuit of all the challenges that 2010 will bring.



Power & Water - Water Services Conference 2009 Group Photo.

Water Services Conference

PowerWater

Darwin, December 2009

Contributed by **Kristy Bourke** – Power and Water – Service Coordinator Operations

Since moving to Alice, I have noticed that one of the biggest challenges is the tyranny of distance. In an inspired move, water services conquered the challenge (in part at least) by holding an internal water services conference in Darwin in the first week of December.

The conference hosted 50 delegates, from all across the Territory and from all departments of water services including accounting, engineering, operators and management. The aim of the conference was to review the major issues that will face water services over the next 5 years and to provide some on the ground insight into the future direction of the company. The conference objective was to turn "Issues into ideas, Ideas into innovation," with the ultimate aim being "High motivation- high quality service."

This was achieved by having break-out groups where each issue was discussed in detail and with enthusiasm. Each group brought solutions from their discussions back to the whole forum after a designated time. These solutions were split into quick wins and medium term goals. At the end of the conference all solutions were voted on to determine the most advantageous direction for water services to progress. The problem solving was broken up by short innovation and lessons learnt presentations showcasing an amazing level of problem solving and original thought by all involved. In addition to internal delegates Power and Water also had the pleasure of hosting Cynthia Lim from WIOA – Cynthia showcased what WIOA does for the industry and also had heaps of valuable insight and contacts whom may be useful for some of the issues that we are facing.

In short, the conference ran for two days and I guess that the proof will be in the pudding. But credit has to be given to Power and Water for providing the opportunity to come together in a constructive manner and provide solutions to the problems that are faced and to the delegates for having an open mind, thick skin and the ability to think well outside the box and project their ideas without fear of condemnation.



Water Services Conference 2009 Boat Cruise.

If the Mo fits!

Congratulations to all the participants of Movember in 2009 for raising awareness for men's health and depression. Some members sent in their hairy shots to scare..... I mean share with us!

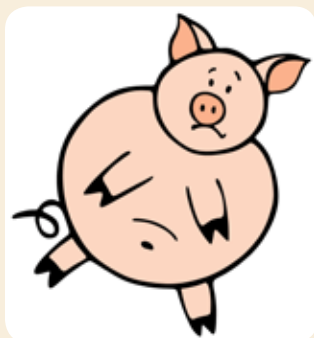


The Goulburn Valley Water Movember Men!



The East Gippsland Water Team

The Lighter Side



Where Does Poo Come From?

A little girl walks in to the lounge one Sunday morning while her Dad is reading the paper.

"Where does poo come from?" she asks.

The father feeling a little perturbed that his 5 year old daughter is already asking difficult questions thinks for a moment and says:

"Well you know we just ate breakfast?"

"Yes," answers the girl.

"Well the food goes into our tummies and our bodies take out all the good stuff, and then whatever is left over comes out of our bums when we go to the toilet, and that is poo."

The little girl looks shocked, and stares at him with watery eyes in stunned silence for a few seconds and asks:

....

"And Tigger?"

Corporate Member News



AMACAN : THE ROBUST, RELIABLE, & POWERFUL SUBMERSIBLE MOTOR PUMP IN DISCHARGE TUBES.

In the fields of water and waste water technology, submersible pumps represent a viable economic and technical alternative to conventional, dry – installed pumps.

In the special case of submersible motor pumps in discharge tubes, there are significant design advantages to be considered. For example, though they have the same hydraulic capacity as tubular casing pumps, submersible motor pumps are a good deal more compact in dimension (no longer shaft assemblies, no additional bearing locations in the discharge tube). This means additional buildings to accommodate the electric motor are not required, as the submersible pump and integral motor are installed in the discharge tube.

More and more operators are being won over by these advantages – KSB's Amacan pumps work in irrigation and drainage systems, waterworks, sewage treatment plants, power stations, industrial water supply, water pollution and flood control. They handle raw and clean water (groundwater, storm water, river water) as well as waste water and activated sludge.

Where ever higher flow rates have to be handled, KSB's Amacan submersible pumps in discharge tube design have proved their worth in a wide range of applications. These submersible motor pumps can be optionally fitted with three different impeller types enabling them to deal with a wide variety of fluids – from grey water, which is reasonably clean, right up to waste water or activated sludge. Selecting the right impeller type for a particular application will depend upon the nature of the pumped fluid and the pumping task.

Amacan pumps are presently in service at a number of sites in Australia & New Zealand.

KSB Australia Pty Ltd, is part of KSB Group which is one of the world's leading manufacturers of pumps, valves and related systems for water and waste water management, mining, industrial applications, building services, and energy. The Group has a presence on all five continents with its own sales and marketing organizations, manufacturing facilities and service operations. With a workforce of approximately 13,000 worldwide, the Group generates a total sales volume in the region of € 2 billion.

For further information on KSB Amacan pumps, please contact KSB Australia Pty Ltd, Kevin Thomas Mobile: 0458 387 212 or visit www.ksb.com.au.

Corporate Member News



H2O Rx

H2O Rx helps fluid systems avoid damage from unpredictable flow

Excess pressure build up can compromise fluid systems and destroy expensive pumps and fittings. Siphoning can lead to chemical wastage and loss of process control, and a lack of sufficient back pressure can lead to inaccuracies in metering of chemicals. These occurrences that are costly in damaged equipment, dangerous for operators and process, and are ultimately best avoided.

The new H2O Rx ECO Valve can be used to address all the above complications.

With an optional gauge port available in the flow direction of choice, a high flow capacity, and a high ambient temperature range, the ECO Valve is highly versatile in a range of environments.

Even more interesting is it's suitability for a large range of process solutions and systems as it is available in PVC, CPVC, Polypropylene, PVDF or Stainless Steel.



ECO Valve is available in ten configurations including threaded, socket, union, and flanged, which means that it can fit into virtually any system.

Amid all the system protection the ECO Valve is also intelligent enough to protect its own skin as well; it has no moving parts in the wetted chamber and is made with an injection mould design, meaning that constant stress does not compromise structural reliability.

It is a great investment for those wanting to protect their systems and personnel from unplanned flow complications.

ECO Valve available now and further information can be found on the H2O Rx website www.h2orx.com.au or contact Maria Silk Young on 0409 784 236 or maria@h2orx.com.au



ITS Trenchless have for some time been supplying rehabilitation services for water and wastewater pipelines for various water authorities and municipal councils throughout Australia. It has become obvious that there is a growing need to reinstate not only the pipelines but also the structures to which the pipelines are connected.

ITS Trenchless have entered into a relationship with Sprayroq, a leading US based supplier of protective lining systems to offer a structural coating system that is suitable for the rehabilitation of manholes, pump stations, wet wells, tanks, man entry pipelines, tunnels and so on.

SprayWall is a 100% VOC-free self-priming polyurethane coating which reinstates structural integrity, provides infiltration control and chemical resistance for concrete, steel, masonry, fiberglass and other surfaces. Developed for use in ambient operating conditions up to 140°F / 60°C, SprayWall is a tough, corrosion and abrasion resistant coating that can be spray applied at any desired thickness in a single mobilization. SprayWall is applied by utilizing a proprietary heated plural component spray system and achieves full structural adhesion to a prepared surface. Spraywall's quick curing time allows the newly protected structure to be returned to service immediately after the application is completed.

With a growing number of completed projects throughout NSW and QLD, it is obvious that this product addresses an industry need to provide high quality structural coating services. Feel free to contact ITS Trenchless for further information.



Pictured above, the alternative to structural coating for this manhole is that it would have required excavation and replacement at a cost of approximately 2 x what we did it for. Also it did not result in any major disruption to the area.

For more information go to www.itstrenchless.com.au

New Members

Welcome to the following people and companies who have recently joined our Association as a Member or Corporate Supporter.

New Individual Members include

Craig Molloy, Bill Moore, Mick Darlow, Ben Maloney, Tony Davies, Rod Anderson, Graeme Bartle-Smith, Abid Hussainy, James Dalton, Michael Curtain, Tom Plunkett, Grant Waite, Stephen Glennan, David Voce, Steve Posselt, Kevin Hanrahan, Ron McCarthy, Mary Monds, Deborah Little-John, Damien Tom, Brad Smith, Chris Balfour, Brian Reese, Martin Keane, James Johnstone, Andrew Gustus, Jock Anderson, Luke Palmer, Matthew King, CHatherine Huf, Jenith Jesuthasan, Noel Kenny, Leesa Rundell, Adam Sullivan, Ashley Dedini, Frank Rinaldo, David Boyle, Skefos Tsoukalis, Ivan Carroll, Bill Smith, Dave Higgins, Ivan Henson. Dean Andrews, Kathy Northcott, Darren Taylor, Craig Smith & Matt Agnew.

New Corporate Members include

Leak Search, UV Guard & Matrix Process Solutions.

Coming events - 2010

- | | |
|------------------|---|
| 3 Mar | Optimising Chemical Dosing, Coagulation, Flocculation and Clarification Seminar, SE suburbs Melbourne |
| 21-22 Apr | 4th WIOA NSW Water Industry Engineers & Operators Conference, St Stanislaus' College, Bathurst |
| 12-14 May | WIOG NZ 'Operations for the Future' Conference, Hamilton New Zealand |
| 23-24 Jun | 35th Qld Water Industry Operations Workshop, CQU complex, Rockhampton |
| 1-2 Sep | 73rd Annual Vic Water Industry Engineers & Operators Conference, Bendigo |

From our friends up north:



Water spout over the Darwin harbour – 19 November 2009.

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Next Edition

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The Lighter Side:



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