Our Best Really is World Class!

Stormwater National recently released the list of finalists for this year’s National Stormwater Industry Association Awards for Excellence and the work of all our nominees really is world class.

The National Awards for Excellence will be presented on Wednesday 17th October at the Stormwater 2012 Dinner. The Dinner, which will take place in the Grand Ballroom at the Sofitel Melbourne, is proudly sponsored by Storm Consulting.

A review of the full list of finalists, which is included in this edition of the Bulletin, reads like a ‘who’s who’ of leading stormwater management practice.

This Bulletin also features the winners of the various state awards, which have been presented over the last month including those from Victoria, NSW and South Australia.

The Queensland Stormwater Industry Association presents their awards biennially and so their winners for 2011 are the nominations from that state for national recognition.

You only need to look over the list of projects that have been nominated for awards to realise the industry in Australia is just getting better and better and that should be a source of great pride for everyone involved.

We are making a difference.

Continues page 8

This Involves You

The Queensland government recently commissioned a report on reasons for delays to development projects in the Sunshine State. One of the case studies in the report linked the requirements for Water Sensitive Urban Design to project delays.

Rumours abound as to how the state government plans to respond to the report. A number of our Queensland members are concerned that the hard fought gains that have been achieved in the promotion and implementation of best practice will be lost. They point out that most Councils and developers have been working hard to impose or meet the design requirements because they understand the net environmental, social and economic benefits they generate.

Continues page 3
The project was an outcome of the development of a Water Quality Improvement Plan (WQIP) for the Great Lakes region of NSW which was completed in 2009. This plan included a suite of actions, both urban and non-urban to address the water quality stressors affecting Smiths, Wallis and Myall Lakes in the Great Lakes region of NSW. The Development Control Plan was specifically aimed at ensuring the impacts from future urban development within the Great Lakes Council region were appropriately managed through the implementation of Water Sensitive Design principles and measures for both large and small scale development. The DCP included targets focussing on integrated water management (potable demand reduction, alternative water sources, wastewater reuse and consistent with BASIX requirements), stormwater quality management (including targets appropriate to whether it was greenfield or brownfield development) and hydrologic management, especially for sensitive receiving environments such as coastal wetlands.

Great Lakes Council’s Water Sensitive Design DCP was based on the Botany Bay Coastal Catchments Initiative DCP template, significant reworking of this material was undertaken to develop a DCP that was specific to the issues identified in the Great Lakes WQIP. To address these sensitivities, two sets of targets were developed, whereby greenfield development is to achieve a Neutral or Beneficial Effect on Water Quality (NorBE), and development in existing areas is to achieve pollutant reduction targets. These targets ensure that new development will not cause further impact on water quality in the Great Lakes, but also redevelopment will lead to reductions in pollutant loads compared to existing urban development.

At all stages through the development of the DCP Council collaborated with local consultants, developers, surveyors, contractors and builders to receive input on the strategic direction of the DCP from an industry perspective.

The Large Scale Development section of the DCP was adopted in December 2011, commenced in January 2012, and has resulted in the implementation of WSD elements for new large scale developments across the region. The small scale development (<2000 m2) section uses a deemed to comply approach, use of a Small Scale Stormwater Quality Model or MUSIC modelling to demonstrate compliance. Further engagement with builders and contractors was used to road test the approach to small scale development. Additionally, specific training to assist builders and designers to meet the requirements of the DCP was undertaken. This was successfully completed in June 2012 so that the small scale section of the DCP could be implemented on 1st July 2012.
Excellence in Strategic or Master Planning (cont...)

South Australia

Tonkin Consulting

Stormwater Management in the South Park Lands

Flooding in the Brown Hill and Keswick Creek catchments has been a concern of Councils, homeowners and the general public for many years. The South Park Lands Stormwater Management Plan will contribute to alleviating this flooding whilst also achieving additional benefits for the Adelaide Park Lands.

With the input of the Steering Committee and through community consultation, the design has developed into a biodiversity corridor that achieves connectivity for public access, enhances native vegetation and improves water quality, while providing the community with significant amenity and recreational opportunities.

An ephemeral wetland in Victoria Park will promote wildlife and bird-life in the area, including creating a new habitat specifically to benefit the re-introduction of the Chequered Copper Butterfly, which is found with the Park Lands area and is listed as rare.

A flood control mound in Park 20 will also provide the dual function of flood control and a spectator viewing mound for the sporting fields in this park.

South Parklands Flood Mitigation

Victoria

City of Kingston

Integrated Water Cycle Strategy

The Integrated Water Cycle Strategy will bring significant benefits to the City of Kingston and its local community by delivering sustainable water management. The commitment is to turn Kingston into a Water Sensitive City.

This innovative strategy considers creeks and groundwater in the Kingston area, water supply for drinking and other uses, and environmental management of stormwater in a holistic way.

The project includes a water balance analysis for the municipality and sets evaluation criteria to determine priorities for WSUD projects based on water quality, mains water reduction, energy savings, liveability and ability to increase community knowledge.

Continued from front page - This Involves You

And as Councils and developers become more familiar with the requirements, we know projects will proceed more smoothly.

On the other hand, there are other organisations or individuals who would prefer little or no regulation.

But why should you get involved?

For lots of reasons. Firstly, effective design means better environmental outcomes and isn’t that the bottom line for nearly everyone involved in this industry?

Secondly, effective design gives us a much better chance of handing over an ecosystem in better shape than what we inherited. And thirdly, as we know from bitter experience, poor design in the end costs everyone a lot of money, time and effort to repair, when it can be repaired.

From a purely industry point of view, a reduction in design standards will also mean our consultants and suppliers will lose the incentive to continually improve and the environmental, social and economic impacts of that are significant. The primary focus of this issue of the Bulletin is recognition of excellence. Where will that excellence come from in the future if there is no incentive to improve?

So how can you get involved?

Try to learn as much as you can about what is going on in the debate on delays to development and wherever possible join in that debate. Write letters, talk to people, get active, get involved, get annoyed.

Talk to your State Association and the State Associations need to talk to Stormwater National to encourage them to become involved. You should not underestimate the power of an association supported by more than 500 leading industry organisations and professionals.

In Queensland the relevant Minister is the Hon Andrew Powell (Minister for the Environment) environment@ministerial.qld.gov.au. But this is not just a Queensland issue. A reduction in requirements in the Sunshine State would certainly be considered across the country.

This is real. This is happening now. We do need you to get involved. Editor

2nd National Conference on Urban Water Management

15-19 Oct 2012, Melbourne

The Initiative revolves around the following strategy determined by the nominated URS and Indesco project lead Engineers (and Cardno who prepared the reticulation PSP) being water capture, storage, distribution and reuse as outlined by:

- selected water capture of storm water runoff from the urban areas of the Inner North of Canberra on the Sullivans Creek catchment and its floodway tributaries by utilising the combined 35ML storages of the urban setting Dickson & Lyneham Ponds;
- the urban edge 65ML Flemington Road Ponds (the prime storage pond) is fed by a pumped supply pipeline from Lyneham Pond plus its own direct Sullivans Creek flow;
- the larger capacity storage pond at Flemington Road which can sustain greater drawdown and connects by a reticulation distribution network to primarily recreational and institutional facilities in Canberra’s north;
- the network maximises water reuse and flexibility of supply to lower potable water demand in North Canberra driven by a decade of drought conditions that lead to severe water restrictions including closure of many sports fields.

The strategy is to be pro-actively better prepared for the next drought and also deliver associated environmental and recreational benefits. Due to the groundbreaking success of the Inner North Urban Waterways Initiatives other projects have subsequently commenced elsewhere in Canberra.

Enviro Links Design facilitated the initiatives implementation through the design & construction phases primarily in the delivery of the associated vegetation management, environmental and recreational benefits that were integral to the project acceptance into an established urban framework. The inner north community is arguably the most environmentally aware and sensitive to vegetation change of any in Canberra.

Enviro Links Design’s role was to support the Engineers and ensure the stormwater reuse initiatives could be successful by enhancing the other positive benefits such as:

- incorporating macrophyte plantings to all ponds to aid bio-filtration of nutrients and sediment capture to slow water flow and improve water quality in the Sullivans Creek catchment prior to its entry into Lake Burley Griffin and also for the benefit of selected water reuse for irrigation;
- ensuring vegetation retention of the streetscapes and open space ‘urban forest’ by tight vegetation management;
- providing quality landscape design of the urban open space that enhanced passive recreational opportunities, allowed safe public interaction and community wetland systems;
- significantly increasing habitat opportunities and biodiversity with the planting of 28,000 macrophytes, 32,000 low to large shrubs and 1,000 trees;
- facilitating educational opportunities.
New South Wales (Joint Winners)
Brown Consulting (NSW) Pty Ltd, Mirvac Homes, Landcom, Guy Sturt & Associates, Ecological Australia, Burton Contractors Pty Ltd and ESD Landscape Contractors Pty Ltd for Elizabeth Hills Development

The residential subdivision of Elizabeth Hills displays pioneering techniques in implementing Water Sensitive Urban Design (WSUD) works creating a naturalistic habitat system to enhance biodiversity and ecosystems in the area. This nomination is submitted on behalf of the consultant team that delivered Elizabeth Hills for the developers, Mirvac and Landcom.

The site contains 56.27 ha of which 12.14 ha is riparian corridor land. Common practice is to locate WSUD works separately to riparian corridors, under the provisions of the Water Management Act.

The challenge was to create and implement innovative methods of water management incorporating landscape, engineering and ecological design in the treatment of the tributaries of Hinchinbrook Creek.

The design solution implemented a total catchment concept for the riparian corridor integrating WSUD features perched within the perimeter of the core riparian zone, while simultaneously meeting ecological targets. The stormwater treatment systems were specifically designed to be deemed “acceptable” to be located within the core riparian corridor which was above and beyond standard practise for WSUD. The works included a biodiversity offset agreement with Liverpool Council and the Western Sydney Parklands Trust in respect of restoration of the Cumberland Woodland Plain habitat.

A major challenge is that authorities have not developed processes for ongoing management of WSUD assets. The developer and consultant were able to work collaboratively with Liverpool Council and the NSW Office of Water ensuring ongoing functionality and maintenance regimes were taken into account in the design.

The result is a ground-breaking success in delivery of water management features with seamless integration with the creek stream works whilst enhancing environmental outcomes and recreational opportunities for future residents of Elizabeth Hills.

Register now for the premier Urban Water Management Conference to be held in Australia in 2012
or contact GEMS Event Management on (02) 9744 5252

Finalists for the 2012 SIA National Awards for Excellence Announced

2012 NATIONAL AWARDS FOR EXCELLENCE FINALISTS

Excellence in Asset Management
• Burnum Burnum Wetland Management Plan Molino Stewart Pty Ltd, J Wyndham Prince Pty Ltd, Sutherland Shire Council and Sydney Metropolitan Catchment Management Authority, NSW
• Managing Stormwater in Industrial Areas - The Mordialloc Case Study, City of Kingston, Vic
• Moonee Valley Integrated Water Asset Management, City of Moonee Valley, Vic
• Water Resources Asset Management Plan, City of Onkaparinka, SA

Excellence in Infrastructure
• Chatswood Integrated Flood Mitigation and Stormwater Reuse Scheme at The Concourse Willoughby Council, NSW
• City of Melbourne’s Darling Street Stormwater Harvesting Scheme, City of Melbourne, Vic
• Dunstone Grove Linde Reserve Upgrade, Wallbridge & Gilbert Consulting Engineers, SA
• Elizabeth Hills, Brown Consulting, Mirvac Homes, Landcom, Guy Sturt & Associates, Ecological Australia, Burton Contractors and ESD Landscape Contractors, NSW
• North Canberra Urban Waterways Initiative, Enviro Links Design, Environment and Sustainable Development Directorate, ACT Government, URS Australia and Indesco, NSW
• Protecting Dobsons Creek from Degradation - Wicks Reserve Bio-Infiltration System, Knox City Council, Vic
• Rain Bank - South Bank’s Stormwater Harvesting and Reuse Centre, South Bank Corporation, Qld
• Unity Park Biofiltration, City of Salisbury, SA

Excellence in Research, Innovation, Policy and Education
• Burnt Bridge Creek Integrated Restoration Project, Manly Council and Warringah Council, NSW
• Capture of NUTrient Exports - CANUTE, Cardno (NSW/ACT) and Hornsby Shire Council, NSW
• Gold Coast City Council Stormwater Safety Program, Gold Coast City Council, Qld
• Hardened and Networked Army Edinburgh Defence Precinct, GHD Pty Ltd, SA
• STORM Pesticide Model, Storm Consulting, Vic
• Tuflow Scenario Modelling North East Arm Catchment, City of Port Adelaide and Enfield and Tonkin Consulting, SA
• Water Plan - Towards a Water Sensitive City, City of Port Phillip, Vic

Continues page 7
President’s Message

Dear Stormie,

Winston Churchill once said “a joke is a very serious thing”, so instead of a joke, I will pose a challenge. Adam Spencer (one of the Sleek Geeks) was a guest speaker at the Stormwater NSW conference dinner some years ago. He is also a mathematician and began his career in radio by winning the Triple J Raw Comedy championship in 1996 telling mathematical jokes. He opened his address at the conference saying that he felt right at home at a stormwater conference as he was sure he was in the company of people who loved numbers as much as he did. I have read his Little Book of Numbers and want to test his theory that Stormies are number-loving sleek geeks at heart.

In his book, Adam says that the following numbers are among the most famous and often-used numbers in mathematics, 0,1,1,2,3,5,8,13,21 ... What are these numbers called? And what relationship do they have to an uncurling fern frond? I will provide a bottle of red wine to the first person to give me the correct answers - at the Stormwater 12 Conference.

Numbers are not the only exciting thing you will find at Stormwater 12. I can feel the sense of anticipation building for our second National Awards of Excellence, which will be one of the highlights of the program. This issue of the Bulletin summarises the best of the best in the last two years from across the nation as winners in their category. Winners in 2011 were profiled in the Bulletin last year, so this issue profiles the 2012 finalists.

Attending a conference related to your area of expertise provides opportunities to communicate with nationally known leaders of your profession and colleagues you recognise by reputation and through their articles and books says well known communicator, Bill Lampton (Ph.D.). He proposes 10 ways to get the most from your conference experience. One in particular caught my attention where he suggested reading the conference program thoroughly, and selecting sessions that will be most likely to improve your skills. As an aid to reading the conference program, a conference App will be available. This App will allow you to access the conference program and to schedule which presentations you would like to attend. It will also give live updates of any changes to the program.

I’m pleased to announce that the new National Website is live http://www.stormwater.asn.au/. We are investing time to keep new postings happening on a regular basis. As with any new site, there will be a period of refinement, so your comments would be welcome. Please bookmark the site and return to it often to stay up to date with what’s happening in the world of stormwater.

Sia later,

Steve Frost - National President

Excellence in Infrastructure (cont...)

South Australia
Wallbridge & Gilbert Consulting Engineers
Dunstone Grove Linde Reserve Upgrade,
Integrated Stormwater Management
As the third largest recreation park in the City of Norwood Payneham & St Peters, the Linde Reserve is a highly valued urban open community space. Existing facilities, however, were largely outdated and required aesthetic and utility improvement.

The Council, therefore, commissioned a multi-disciplinary team to steer the development of a concept Master Plan to guide the future development and enhancement of the reserve, to ensure that amenity and recreational needs, safety standards, and environmental sustainability objectives would meet current standards and into the future.

The project provides a rare example of an inner urban park that demonstrates a fully integrated suite of sustainable stormwater management techniques integrated into the landscape design and public space, including;

- Biofiltration, vegetated swales and infiltration systems
- Biofiltration treatment beds (stormwater harvesting system)
- Gross pollutant trap
- Underground rainwater tank (200 kl)
- Naturalised watercourse
- Native revegetation, and preservation of existing native vegetation
- ASR and associated infrastructure

Victoria
City of Melbourne
Darling Street Stormwater Harvesting Scheme

The Darling Street stormwater harvesting scheme is an innovative project derived from the City of Melbourne’s Total Watermark – City as Catchment strategy covering three main targets water demand reduction, use of alternative water sources and stormwater quality improvement.

The project took advantage of a local street upgrade by installing new stormwater harvesting technology underground that reduces the footprint of a traditional harvesting system whilst still providing treatment to best practice. The result is an alternative water supply source for the irrigation of neighbouring parks and tree medians and a reduction in potable water use.

The judges were impressed by the City of Melbourne and their consultation with stakeholders throughout the life of the project, particularly as the site is located within an established residential area. The nature of the project also required multi-disciplinary engagement within council including extensive involvement with maintenance personnel on the new technology.
Excellence in Research, Innovation, Policy and Education

New South Wales
Manly Council and Warringah Council for the Burnt Bridge Creek Integrated Restoration Project – Community Education Program

Through the delivery of this project, Manly and Warringah Councils have addressed several key needs for our communities:

- To conserve potable water;
- To protect downstream ecosystems from polluted stormwater;
- To rehabilitate waterways; and
- To engage and educate local communities in best practice stormwater management.

As a result of urbanisation, Burnt Bridge Creek (BBC) has experienced:

- Lower dry weather baseflows and a higher frequency and magnitude of wet weather peak flows;
- Increased bank erosion;
- Reduced water quality;
- Reduced biodiversity; and
- Major weed ingress.

Community surveys have also shown that the community of BBC has a moderate understanding of creek behaviour and the impact stormwater pollution has on the creek environment. However, this did not translate into behaviour change to minimise such impacts on the creek.

As early as 2002, it was recognised that stormwater issues cannot be resolved in the long-term by only targeting quality and quantity issues in the absence of behaviour change in the way we currently live and work. A whole of catchment approach is required for community education to be effective in achieving behaviour change.

Rather than using more traditional information delivery methods (based solely on awareness raising), an Education for Sustainability (EFS) approach and the widely accepted methodology of Community-Based Social Marketing (CBSM) was integrated in the program.

Outcomes from the program included:

- Over 1,500 individuals (residents, business/industry owners and schools) were engaged directly;
- 30,000 individuals (residents, business/industry owners and schools) were engaged indirectly;
- Over 800 hits were taken on the web page;
- 7 of 8 schools in the BBC catchment were directly engaged; and
- 18 engagement events were held, reaching 1,200 students.

This approach to community education demonstrated in the BBCIRP provides a new standard for strategy development to improve the community’s awareness of stormwater issues and can be applied to future projects. In our view the adopted education strategy has improved the communities understanding of stormwater issues and Burnt Bridge Creek.

Excellence in Strategic or Master Planning

- Blue Mountains Business Park: Integrated WSUD Management Strategy, Blue Mountains City Council and Storm Consulting, NSW
- Brimbank City Council Alternative Water Strategy: Parsons Brinckerhoff, Vic
- City of Kingston Water Cycle Strategy, City of Kingston, Vic
- Development and Implementation of a Water Sensitive Design Development Control Plan to protect the Great Lakes Region, Great Lakes Council and BMT WBM, NSW
- Moreton Bay Regional Council Total Water Cycle Management Strategy, BMT WBM, Moreton Bay Regional Council & Unitywater, Qld
- Stormwater Management in the South Park Lands Tonkin Consulting, SA
- Water Proofing the West Stage 1, City of Charles Sturt, SA
Queenslander!

NSW and Queensland members of the Association would be familiar with this rallying cry that features during the annual State of Origin Rugby League series each year.

And what an effective rallying cry it has been with Queensland winning the last seven series in a row.

Nicole Ramilo Vice President of SIA Queensland is probably tempted to use that same rallying cry in the build up to this year’s National Stormwater Awards.

“While I know there is outstanding work going on all over Australia, we think the work of our nominees for this year’s National Awards is pretty special” Ramilo said when looking over the list of National Finalists.

“For example, the work of the South Bank Corporation, in conjunction with consultants Bligh Tanner Pty Ltd on their award winning ‘Rain Bank – South Bank’s Stormwater Harvesting and Reuse Centre’ project made them worthy state winners and our National Finalists in the ‘Excellence in Infrastructure’ category.

“And Gold Coast City Council continue to do outstanding work in the area of ‘Research, Innovation, Policy and Education’, for which they have been nominated as our National Finalist

“I’m also really proud to have been involved in the exceptional work that BMT WBM have undertaken together with Moreton Bay Regional Council (MBRC) and Unitywater in developing a Total Water Cycle Management Strategy for the region. This work has been nominated as a Finalist in the ‘Excellence in Strategic Planning or Conceptual Design’ category.

“Since this strategy was developed, the project team have also undertaken detailed planning studies to develop a Total Water Cycle Management Plan, which will guide the future implementation of sustainable water management practices throughout the region. “

Ramilo encouraged all her fellow Queenslanders to get to the Stormwater 2012 in Melbourne in October.

“It would be excellent to have a huge Queensland presence there for a few reasons.

“Firstly it would be great to have a big support base for our National Finalists and secondly, given the quality of the program, I know everyone who gets along to the National Conference will be much better at what they do in the world of stormwater.

“Having a lot of Queenslanders at the event can only mean much better stormwater outcomes for Queensland” Ramilo concluded.

Excellence in Research, Innovation, Policy and Education (cont...)

South Australia

GHD

Hardened and Networked Army Edinburgh Defence Precinct, Stormwater Infrastructure

The project was designed to maximize the capture, treatment and reuse of stormwater within the Defence Base.

The stormwater drainage component of this project included the construction of:

• A 6.7 ML stormwater retention basin, utilising a 450 m long by 14 m wide by 2.5 m deep open excavation filled with crushed recycled brick and concrete sourced from demolished buildings within the site and off site sources.

• A 2.8 km long by 50 m wide open drain through the site (Taranaki Drain) to convey stormwater from the east to the City of Salisbury southern wetland/detention basin.

• 7 km of open channel and bioretention swales.

• 11 km of trunk stormwater pipe and box culverts.

The stormwater retention basin is unique in that it utilizes crushed recycled brick and concrete to store stormwater within the voids of the medium. This unique retention basin design and stormwater system design provide significant environmental, economical, community, construction and operational benefits.

The average annual non-potable water demand within the new development is approximately 67 ML. The on-site stormwater capture and reuse scheme can provide approximately 55 ML of the non-potable water demand.

Victoria

Storm Consulting

Storm Pesticide Model

The STORM Pesticide model is the first of its kind in the world and can have a major impact on how pesticides are used in catchments draining to waterways, thereby reducing the risk to the environment and public health. The model innovatively couples hydrology, hydrodynamics and pesticide transports which have previously been treated in isolation of one another.

High standards of research were demonstrated regarding the data, algorithms, international water quality guidelines to bring together a user-friendly tool that will aid decision making.

To all of those individuals and organisations who have been successful at the state level congratulations. To all of those who have been nominated for national awards, we wish you nothing but the very best.

We also encourage everyone who is interested in acknowledging excellence to get along to the Conference Dinner. We guarantee you will have a great night.

Excellence in Asset Management
New South Wales
Molino Stewart Pty Ltd, J Wyndham Prince Pty Ltd, Sutherland Shire Council and Sydney Metropolitan Catchment Management Authority for the Burnum Burnum Wetland Management Plan

Burnum Burnum Wetland Management Plan was commissioned by Sutherland Shire Council (SCC) and the Sydney Metropolitan Catchment Management Authority (SCMA) in response to community concerns about algal blooms and low water quality in the wetland. The wetland is highly valued by the community and preparation of the management plan included a community consultation process to gain community input.

The wetland is a small constructed wetland built by the Roads and Maritime Services (RMS) as a spill containment basin and water pollution control pond for runoff from the Woronora bridge deck. It was opened in 2001 and drains into the Woronora River estuary immediately downstream of the Woronora bridge.

The Burnum Burnum Wetland management plan was prepared to “provide the RMS and Council with management options to improve the water quality and riparian habitat of the wetland and adjacent environments”.

The key objectives for the management of Burnum Burnum Wetland expanded during the preparation of the plan to include:

- a functioning wetland system;
- improved and enhanced riparian habitats;
- an efficient maintenance regime;
- increased opportunities for recreational activities;
- exploration of the possibility of the wetland as an educational resource;
- increased capacity of residents and users to care for and contribute to the management of the wetland.

The management plan also acknowledged the relationship between the wetland and the Sanctuary’s namesake Burnum Burnum, the Aboriginal activist who lived in Woronora in his later life.

The outcomes of the management planning process included:

- detailed investigation and documentation of the site, hydrology and hydraulics of the wetland and social and environmental values;
- identification of management issues;
- the development of detailed management strategies to improve the function of the wetland; and
- a monitoring plan for the wetland.

Initial investigations focussed on altering the wetland from a stagnant pond to a combined freshwater and saltmarsh system with a larger catchment and increased tidal inundation by lowering the outlet pipe. Subsequent investigation of the series of individual stormwater treatment elements which together form a “treatment train” upstream of the wetland refocussed management recommendations.

Upcoming Events
Stormwater 2012 2nd National Conference on Urban Water Management
15 - 19 October 2012
Location: The Sofitel Melbourne on Collins
Email: stormwater@gemspl.com.au
Phone: 02 9744 5252

Changes to the NSW Office of Water Guidelines for Riparian Corridors on Waterfront Land
15 November 2012
Location: TBA
Email: kducker@gemspl.com.au.
Phone: 02 9744 5252

Excellence in Asset Management NSW winner - The Burnum Burnum Wetland Management Plan - Steve Frost (President SIA), Carolyn Hall (Molino Stewart Pty Ltd), Steven Molino (Molino Stewart Pty Ltd), Natalie Payne (President Stormwater NSW)

Excellence in Research, Innovation, Policy and Education SA winner - GHD, Hardened and Networked Army Edinburgh Defence Precinct, Stormwater Infrastructure
Excellence in Asset Management (cont...)  

South Australia  
South Australia did not have an entrant in this category  

Victoria  
Kingston City Council  
Managing Stormwater in an Industrial Area - Mordialloc Case Study  

In Mordialloc, three industrial roads have been redesigned to harvest 4 megalitres of stormwater each year from factory roofs and road runoff to help protect Mordialloc Creek and irrigate adjacent park and street trees.

New asset management outcomes of the Mordialloc Case Study include:

- Developing a unique ‘Project Scoring’ system to help asset managers compare competing Water Sensitive projects to aid funding decisions;
- Reviewing Stormwater Quality Treatment devices such as gross pollutant traps, filters and pit inserts. The review compared performance, durability, maintenance requirements, whole of life costs and overall suitability for an industrial streetscape; and
- Designing a unique low-cost treatment pit and trialling porous pavers in an industrial road subjected to semi-trailer loads.

Kingston has been a leading Council in stormwater management and the judges are confident that this award is well deserved for a Council that is leading the way.

This issue of the Bulletin summarises the best of the best in the last two years from across the nation as winners in their category. Winners in 2011 were profiled in the Bulletin last year, so this issue profiles the 2012 finalists.

Register now for the premier Urban Water Management Conference to be held in Australia in 2012

or contact GEMS Event Management on (02) 9744 5252
CRC Aims to Boost Clever Water Use

A new Cooperative Research Centre (CRC) will work with more than 70 research, industry and government partners to find new and better ways to use and reuse Australia’s scarce water resources.

The CRC for Water Sensitive Cities collaboration will look to revolutionise urban water management in Australia and overseas.

Officially launching the CRC in Melbourne recently Senator Don Farrell, Parliamentary Secretary for Sustainability and Urban Water, said its research will focus on modelling and analysing society’s behaviour in relation to water usage.

“The CRC for Water Sensitive Cities will develop tools and resources to improve urban planning and design and construction processes as well as wastewater management,” Senator Farrell said.

“It will introduce innovative technologies to better manage urban waterways and minimise the risk of flooding, minimise carbon footprints and maximise the value of urban water services.”

Minister for Science and Research, Senator Chris Evans, said the Government is committed to ensuring water is used more efficiently by adopting sustainable water management practices that better balance the water needs of communities.

“This CRC will work with a range of government and private stakeholders to make our towns and cities more sustainable through technology and the use of more water sensitive urban design,” Senator Evans said.

“It will also look for socio-technical solutions, education and training programs that will foster a water sensitive approach in everyday life.”

Senator Evans said the CRC’s research is expected to ensure planning, design and construction of urbanised landscapes are more sensitive to natural water cycles, reduce water usage, improve ecosystems, enhance wastewater treatment and cut greenhouse gas emissions.

The CRC will receive $30 million in Australian Government funding until 30 June 2021, and is supported by higher education institutions, government and non-government organisations, water utilities and the private sector that are contributing a further $89 million.
The objectives for which SIA National is established are:

- To determine and coordinate policy direction for the State SIAs
- To implement policy via the State SIAs
- To represent the State SIAs at the Australian Government level
- To lobby the Federal Government policy advisors and committees for better environmental and technological management of stormwater
- To represent the State SIAs on national issues with national groups, organisations, institutes and elsewhere, as requested
- To further nationally the interests of the State SIAs in stormwater management
- To promote the establishment of a Stormwater Industry Association within all States and Territories of Australia
- To promote interaction between State SIAs

STORMWATER INDUSTRY ASSOCIATION OBJECTIVES

The Stormwater Industry Association (SIA) is made up of a number of entities. These include associations incorporated in individual Australian States (State SIAs) and Nationally through a non-profit company called the Stormwater Industry Association Ltd, also known as SIA National.

Note: Contact details contained in this document may not be used for unsolicited commercial electronic messages.

STORMWATER INDUSTRY ASSOCIATION LTD

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Peter Grainger (Stormwater360)
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Secretary: Stephen Duncan (Humes)
Treasurer: Nicholas Deeks (GHD)

Committee:
Shelly Shepherd (Essential Environmental)
Bill Till (Department of Water)
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SOUTH AUSTRALIA

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CHANGES OF ADDRESS

Please advise your relevant State Association if you are moving. A quick call ensures your newsletter goes to the correct address or if you are moving. This is also important for email news. Often Bulletins are returned with no explanation by front desk staff because you no longer work there, but the new person in your role is left out of the loop.

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