

Clearwater supporting a water sensitive future

Integrated urban water management

As the pressure on our water supply increases we need to find innovative ways to manage our water resources. New approaches to water management recommend integrating water harvesting, water efficiency measures and stormwater treatment into urban design. Integrated urban water management promotes a 'fit for purpose' approach utilising stormwater and reused and recycled water, thereby reducing pressure on drinking water supplies.

To create the sustainable water sensitive cities of the future, implementing integrated urban water management must become the norm, not the exception. And that's where Clearwater can help.

What is Clearwater?

Clearwater is a non-profit making organisation that aims to create water sensitive urban environments across Victoria. We offer training, advice, technical information and events for those who plan, design, develop and manage our cities and towns. Our aim is to change the way our urban environments are designed to result in sustainable water use and improved stormwater quality.

Established in 2002 as part of the Victorian Stormwater Action Program, Clearwater was initially funded by EPA Victoria, Municipal Association of Victoria, and Stormwater Industry Association of Victoria. Melbourne Water became a major funding partner of the program in 2006 and additional funding is currently provided by DSE and EPA.

Training, tours and forums

We provide training and tours on key subjects such as integrated urban water management, stormwater harvesting and reuse, and construction of raingardens and biofilters. We also run networking events that facilitate peer to peer learning and discussion. In addition to our core training sessions, we also develop and provide training on special topics when there is a need identified by other organisations. Clearwater is always looking to establish partnerships and networks across Victoria that will continue to build knowledge and capacity to keep local government and industry professionals at the forefront of best practice urban water management.

Advice

To support local government across Victoria to implement water sensitive urban design techniques and Clause 56 of the Victoria Planning Provisions, Clearwater in collaboration with Melbourne Water, has appointed regional and metropolitan Stormwater Policy Advisors. To speak to one of our advisors, call **03 9235 2108**.

Website

Our website www.clearwater.asn.au is a great resource. It includes access to the latest research via our Info Resource Library, the ability to share your research by uploading it to the library and a current listing of all Clearwater and industry training events.



Clearwater – Training Courses 2009

MUSIC, STORM and audit tools for design

This one and a half day workshop will introduce you to the MUSIC (Model for Urban Stormwater Improvement Conceptualisation) software tool used to assist in planning stormwater treatment and WSUD projects. You will learn how to design to meet Victorian Government Planning regulations for green field and retrofit sites (clause 56). This workshop will also introduce you to Melbourne Water's Auditor Tool and the online STORM calculator.

Selecting and sizing raingardens and stormwater systems (STORM)

This half day workshop will familiarise you with the STORM online calculator to quickly design and assess stormwater projects, anticipate flows, and meet quality targets. This course is ideal for those who need to assess stormwater treatment systems for small areas but do not require the more sophisticated MUSIC modelling training.

Raingardens essentials

This three quarter day workshop provides detailed guidance on the design and construction of raingardens and biofilters. The workshop covers site analysis, design, materials selection, contract management of construction and maintenance to ensure project success.

Stormwater harvest and reuse

This three quarter day workshop covers the issues and critical steps required to deliver a robust rainwater and stormwater reuse project. This interactive course will help you become familiar with tools to plan and evaluate a successful harvest and reuse project. The workshop will cover all relevant state and federal regulations, guidelines, and risk assessment procedures.

Integrated urban water management

This one day workshop explores holistic management of water supply, sewerage, and stormwater drainage systems to meet your project's water needs and those of the environment. You will be shown how to develop a site evaluation framework, how to plan for harvesting, stormwater treatment and 'fit for purpose' use.

Hot Topics seminars

The Hot Topic's workshop series is a peer-to-peer learning and networking initiative which is delivered in partnership with local councils and Melbourne Water's Living Rivers Stormwater Program. These seminars focus on all aspects of sustainable urban water management through expert and practitioner presentations and facilitated discussion.

Kingston WSUD tours

The City of Kingston is recognised as an industry leader in retrofitting water sensitive urban design (WSUD) into council projects. This half day tour of the Kingston raingardens and WSUD projects is lead by Alan West, Kingston Council's Engineering Design Team Leader. You will be taken to WSUD sites developed over the past ten years to discuss successes and lessons learnt from each of the projects.

Clearwater

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