

40th PRESENTATION OF EEA 2-DAY STORMWATER MANAGEMENT WORKSHOP: SYDNEY, 2012

A 2-day Workshop entitled “**Stormwater Management (source control)**” has been organised by EEA (Engineering Education, Australia) for **Thursday/Friday 3/4 May** in Sydney. The Notes provided in the course are based on content of the award-winning manual “WSUD: basic procedures for ‘source control’ of stormwater – a Handbook for Australian practice” edited by Professor John Argue (University of South Australia). This document is endorsed by Stormwater Industry Association (SIA), Australian Water Association (AWA) and by Dept of Water, Western Australia. The Notes have been regularly updated since first publication in 2004

The content features a balance between the three domains of WSUD (stormwater) practice - quantity control, pollution control and stormwater harvesting. Serious issues of stormwater management in Australia are posed by the prospect of 35 million population of Australia by 2050. How will Sydney’s existing stormwater infrastructure and that of other major NSW regional centres - Newcastle and Wollongong, in particular - cope with change under the ‘high density’ option being suggested as a possible re-development scenario ? What strategies can be adopted to enable existing (competently-performing) infrastructure to manage these changes *without expensive upgrade* ? How can re-development in catchments with existing under-performing stormwater infrastructure be managed to enable the existing in-ground works to progressively meet greater demand *without expensive upgrade* ? Must the creeks and natural waterways falling within the jurisdictions of metropolitan and regional population centres be sacrificed to hard-lining in the wake of the proposed expansion ? Positive answers to these and many other questions based on WSUD (quantity) ‘source control’ practice will be provided in the Workshop.

The Workshop will also include results of hydrological modelling that provides a ‘design front-end’ for use in the MUSIC model. The pollution control practice presented takes advantage of enhanced treatment available in parent soil masses. The fate of dissolved pollutants is singled out for particular attention.

The short course includes: design procedures based on state-of-the-art analyses and best overseas practices adapted to Australia-wide conditions; case study illustrations drawn from field installations with between 10 and 18 years of Australian operational history; design ‘worked examples’; introduction and access to rainwater tank sizing software applicable across Australia. An understanding of basic engineering hydrology will be assumed. An optional, overnight homework exercise (requiring use of a calculator) is included. The Workshop will be led by Professor John Argue. Attendance at the Workshop earns 32 hours credit for continuing professional development purposes with Engineers Australia. More information about the workshop including course content, cost and Registration Forms may be obtained from Ms Ann Ellis on (03) 9326 9777 or ann@eeaust.com.au