

SIA Professional Knowledge Series: Understanding ABC Waters Design Features

Synopsis

Understanding ABC Waters Design Features And Insights Into Structural Detention and Retention Features

The Addendum to the PUB code of practice on surface water drainage published in June 2013 specifies the maximum allowable peak runoff from a development discharged to public drains. What are the options open to Architects to meet this new requirement and how will it affect design? This sharing session will go through the recommended ABC water design features proposed in the code of practice and also the available solutions in the market.

1st Speaker's Profile

Andy Chew, Director (Business Development) of Elmich Pte Ltd

Andy has over 20 years of experience in the building and construction industry. He started his career at the Housing & Development Board as a Structural Engineer and later worked at Surbana Consultants as Senior Project Manager. Prior to joining Elmich, he worked for an Australian public-listed property management company as Product Sales Engineer. Andy graduated from Nanyang Technological University, Singapore, with a Bachelor of Engineering in Civil Engineering. He is a ABC Waters Professional who has through stormwater consultants in Australia studied and observed at source runoff retention and detention methods and strategies to mitigate, control and manage stormwater in Australia. He is actively involved in research into developing solutions for runoff retention and detention.

Synopsis

Case Studies of ABC Waters Project – Lower Seletar Family Bay and Yishun Pond

The successful implementation of an ABC Waters Project requires an integrated effort from multi-disciplinary professionals, such as masterplanners, architects and engineers. This talk discusses various key considerations and challenges (such as hydrologic, hydraulics, treatment effectiveness and maintenance issues) in designing ABC Waters Design Features; through case studies such as Lower Seletar Family Bay and Yishun Pond.

2nd Speaker's Profile

Dr Stephen Tan, Associate Director of AECOM Singapore

Dr Tan is a Professional Engineer (Malaysia), with about 13 years' experience in water resources engineering, covering a broad range from hydrology, hydraulics to water quality. He has substantial experience in hydraulic and hydrologic engineering. He is the lead hydraulic specialist for Punggol Serangoon Reservoir Scheme (PSRS) and feasibility study for drainage improvement work for Stamford Canal Catchment. His completed and on-going projects in Singapore, related sustainable stormwater management, include ABC Waters Projects at Lower Seletar Family Bay, Sengkang Floating Island, Lorong Halus Wetland, Yishun Pond, Sg. Ulu Pandan & Sg. Pandan, MacRitchie Reservoir (Phase 2), Sg. Api-Api and Sg. Tampines, Gardens by the Bay (Marina South), Marina East Garden, Sembawang Golf Course, Sungei Buloh Wetland Reserve (Phase 2) and NTU Residential Halls.

EVENT DETAILS

Date	: 26 September 2013, Thursday
Time	: 7.00pm - 9.00pm (Registration will start from 6.30pm onwards with refreshment)
Venue	: Singapore Institute of Architects SIA Theatre Level 1 79 Neil Road (S) 088904
BOA-SIA CPD	: 2 CPD points
Seminar fees	: SIA Members* (Complimentary), Non Members (\$45.00) (fees inclusive of GST)
Closing date	: 23 September 2013

* For SIA Members whose registrations have been confirmed, attendance is compulsory. Absentee/Cancellations 3 days or less before the event will be charged at \$20.00. Verbal notification of cancellation is not acceptable.

** Registration for attendance of seminar shall be closed 30 mins after the seminar commences.

PROGRAMME SCHEDULE

6.30pm	Registration with Light Refreshment
7.00pm	Presentation by Mr Andy Chew, Elmich Pte Ltd
7.45pm	Presentation by Dr Stephen Tan, AECOM Singapore
8.30pm	Q & A
9.00pm	End of event

For more information, please contact SIA (**Ms Jacey Tay**):

Tel: (65) 6226 2668
Fax: (65) 6226 2663
Email: cpd@sia.org.sg

Jointly Organised by:



CPD PROGRAMME: 2013/086/MS/JT

GST REG. NO.: M9-0001281-J
G.N. No. 565 in Gazette No. 27

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Please fax / email the completed registration form to Ms Jacey Tay:

Tel: (65) 6226 2668

Fax: (65) 6226 2663

Email: cpd@sia.org.sg

And follow up with cheque / cash / online payment to Singapore Institute of Architects.

Please tick your mode of payment:

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Bank/Chq # : _____ Amt S\$: _____

Local Cheque (must be drawn in Singapore) should be crossed and made payable to "Singapore Institute of Architects".

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Please indicate your name, company/institution and course date/title on the back of the cheque.

☐ **By Cash**

You can drop by SIA office to make cash payment between 9.30am – 5.30pm on weekdays.

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(It is mandatory to provide us with your Receipt ID # after your credit card payment transaction)

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Participant's Detail

Organization: _____ Contact Person (if any): _____

Tel: _____ Fax: _____ Email: _____

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_____ S ()

Full Name of Participant

(as per NRIC / FIN, pls underline surname)

NRIC / FIN #

Email

Amt

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**Please take note that all the above fields are mandatory. Incomplete form will not be process.

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Cheque payment for this activity should not be combined with payment for other SIA events/courses.

Fees paid are non-refundable under all circumstances. Replacement of participant will be allowed only if written notification is made at least 3 days before the event.

Where a Non-Member replaces a Member (must be from the same Org.) the fee difference will have to be made good to SIA prior to the event.

Registration for attendance of seminar shall be closed 30 mins after the seminar commences.

Registration will be on a First-Come-First-Served basis and will be accepted upon receipt of registration form and payment to SIA. Registration by fax will only be confirmed upon receipt of payment.

Registration Confirmation No.:-