Venue changed to:
LT301, NTU@one-north Executive Centre
NTU@one-north Campus
11, Slim Barracks Rise
Singapore 138664

Fee:
ACES Member: $40/pax
Non-member: $80/pax

CPD Points:
2PDUs qualified by PEB

Registration on first-come-first-served basis, limited to 80 seats only.

Closing date: 15 July 2013

Programme

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<tr>
<th>Time</th>
<th>Activity</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>2.45 – 3.00 pm</td>
<td>Registration</td>
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<tr>
<td>3.00 – 3.05 pm</td>
<td>Opening address</td>
<td>Mr. Ridzuan Ismail / Mr. Chris Chow</td>
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<tr>
<td>3.05 – 3.35 pm</td>
<td>The 6th edition COP</td>
<td>Mr. Chris Chow / Ms. Stephanie Chew</td>
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<tr>
<td>3.35 – 4.05 pm</td>
<td>What are the main changes in this addendum to COP</td>
<td>Mr. Chris Chow / Ms. Stephanie Chew</td>
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<tr>
<td>4.05 – 4.20 pm</td>
<td>Tea Break</td>
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<tr>
<td>4.20 – 4.50 pm</td>
<td>On-site Detention</td>
<td>Ms. Elizabeth Lee / Ms. Joanne Siew</td>
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<tr>
<td>4.50 – 5.10 pm</td>
<td>The revised DC checklist</td>
<td>Ms. Dorinda Hua / Mr. Chris Chow</td>
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<td>5.10 – 5.30 pm</td>
<td>Q&amp;A</td>
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<td>5.30 pm</td>
<td>End of Seminar</td>
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Synopsis of Programme:
PUB has announced revisions to the Code of Practice on Surface Water Drainage as part of its holistic stormwater management strategy for Singapore. The changes include a new requirement for developers to implement on-site measures to slow down surface runoff and reduce stormwater peak flows into the public drainage system. Besides this new clause, there are also administrative amendments made to some existing clauses to enhance their implementation. These revisions has taken effect from 1 June 2013, with a six-month grace period for the implementation of the new clause on reduction of peak flow from 1 January 2014.

As Singapore faces more intense rainfall, there is a need to look beyond the public drainage infrastructure to reduce flood risks. To increase flood resilience, PUB is adopting a holistic ‘source-pathway-receptor’ approach that addresses not just the pathway (drains and canals) where the stormwater travels, but also controlling stormwater at where it falls onto the ground, (i.e. “Source” measures) and at the areas where floods may occur (i.e. “Receptor” measures).

The revisions to the Code of Practice on Surface Water Drainage are part of this holistic approach, where developers can play a role to reduce flood risks and increase protection for their developments. Various stakeholders groups – including public agencies, professional bodies, and major developers – were consulted on the proposed amendments.

This seminar will enhance the Qualified Person’s (QP) understanding of the new clauses and also the implementation of other COP revisions. PUB will also be sharing on the revised Development Control (DC) checklist which includes the revised clauses in the COP.
ACES-PUB Seminar: PUB Updates on Amendments to the Code of Practice on Surface Water Drainage (2013)

THE SPEAKERS

Mr. Ridzuan Ismail
Chief Engineer in the Catchment & Waterways Department, PUB, overseeing drainage planning matters in Singapore.

Mr. Chris Chow
Senior Assistant Director in the Catchment & Waterways Department, PUB, responsible for drainage catchment planning in Singapore.

Ms. Elizabeth Lee
Principal Engineer in the Catchment & Waterways Department, PUB, responsible for drainage master planning for Singapore.

Ms. Dorinda Hua
Principal Engineer in the Catchment & Waterways Department, PUB, overseeing catchment planning matters for Eastern Singapore.

Ms. Joanne Siew
Senior Engineer in the Catchment & Waterways Department, PUB.

Ms. Stephanie Chew
Engineer in the Catchment & Waterways Department, PUB.
Overview of Stormwater Management

“Source” solutions
• On-site stormwater detention features

“Pathway” solutions
• Canal widening or deepening
• Diversion of waterways

“Receptor” solutions
• Minimum platform and crest levels
• Flood barrier systems
On-site Measures to Manage Peak Runoff

- Detention features include:
  - Detention tanks
  - Retention ponds
  - Wetlands
  - Green roofs
  - Planter boxes
  - Bioretention basins or swales
  - Rain gardens

Facilitating the Implementation of “Source” Measures

- Handbook on Managing Urban Runoff
  - Developed by PUB and IES
  - Provides guidance to the development community and licensed professionals (i.e., Qualified Persons, Professional Engineers, Architects, Landscape Architects, etc.) on the planning and design of on-site “Source” controls and implementation of “Receptor” strategies
  - Highlights case studies of “Source” and “Receptor” strategies
**REGISTRATION FORM**

For further information, please contact Ms Lilian Lean or Ms Jennifer Quek  
Tel: 63242682   Email: secretariat@aces.org.sg

**ACES-PUB Seminar: PUB Updates on Amendments to the Code of Practice on Surface Water Drainage (2013)**  
**Thursday, 18 July 2013, 3.00pm to 5.30pm**  
Closing date for Registration: 15 July 2013

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<th>S/N</th>
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<th>Non-Member</th>
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Company:

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Please complete the required information marked * for confirmation purpose

Payment mode: Cheque to be made payable to:

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