SIA/IES/NEA/PUB Joint Seminar 2014:

Latest Development in Environmental Issues

PROGRAMME DETAILS	
Date	: 18 September 2014, Thursday
Time	: 1.30PM - 5.00PM
Venue	: Concorde Hotel Singapore – Concorde 2, 3rd level (Lobby Level) 100 Orchard Road, Singapore 238840 (Venue Map: http://apex.sia.org.sg/xshare/Concorde_Map.pdf)
Seminar fees	: $100.00 (SIA / IES Members), $200.00 (Non Members) – *fees inclusive of GST*
Closing date	: 12 September 2014

1.00pm	Registration
1.30pm	Welcome Remarks
1.50pm	**Detention Tanks** *Mr Li Cheng Xi* – Engineer of PUB's Catchment and Waterways (Department)
2.10pm	**Grease Trap Requirements** *Mr Christian* – Senior Engineer of PUB's Water Reclamation Network (Department)
2.30pm	**Water Efficient Building Design and Water Efficiency Measures** *Ms Gayathri Kalyanaraman* – Senior Engineer of PUB's Water Supply Network Department
2.50pm	**Preventive Design and Ease of Maintenance to Reduce Mosquito Breeding** *Mr Jason Tan* – Assistant Director of NEA's Operations Planning at the Environmental Health Department HQ
3.10pm	Tea Break
3.40pm	**Good Practices to Incorporate Noise Consideration in Planning New Development** *Mr Charles Lee* – Principal Engineer of NEA's Central Building Plan Department (CBPD)
4.00pm	**Construction Noise Management** *Mr Soh Zhengping* – Engineer of NEA's Pollution Control Department
4.20pm	Question & Answer
5.00pm	End

BOA-SIA CPD Accreditation**: 5 points**

PEB PDU Accreditation**: 3 points**

For more information, please contact SIA (***Ms Jacey Tay***):
Tel: (65) 6226 2668
Fax: (65) 6226 2663
Email: cpd@sia.org.sg

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

1st Topic: "Detention Tanks" by Mr Li Cheng Xi – Engineer of PUB's Catchment and Waterways (Department)

Synopsis

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 new clause in the COP on Maximum Allowable Peak Runoff is 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 clause.

CV

Mr Li Cheng Xi is an engineer of PUB's Catchment and Waterways (Department). He holds responsibility in development control for drainage work and planning for drainage infrastructure.

2nd Topic: "Grease Trap Requirements" by Mr Christian – Senior Engineer of PUB's Water Reclamation Network (Department)

Synopsis

F&B business is one of the growing businesses in Singapore. Used water generated from F&B business contains substantial amount of oil and grease which could create encrustation to the sewer pipe wall overtime. Almost half the cause of sewer choke in Singapore is caused by hardened grease. It is very important in planning for food establishment, grease trap should be provided with adequate size. In this seminar, PUB will highlight the requirements for grease trap.

CV

Mr Christian is a Senior Engineer of PUB's Water Reclamation Network (Department). He holds responsibility in development control for sanitary and sewerage work and protection of sewerage infrastructure.

3rd Topic: "Water Efficient Building Design and Water Efficiency Measures" by Ms Gayathri Kalyanaraman – Senior Engineer of PUB's Water Supply Network Department

Synopsis

Through the Four National Taps, PUB has put in place a robust and sustainable water supply for Singapore. Providing adequate infrastructure to supply water is only one half of the equation. As the population and economy continue to grow, it is important to ensure that the water demand does not rise at an unsustainable rate.

PUB endeavours to do this by adopting a multi-pronged approach: pricing water correctly, facilitating programmes to encourage water conservation practices, and mandating standards for efficiency in water usage and related water fittings and appliances.

In the non-domestic sector, PUB adopts a three-pronged "Reduce, Replace and Reuse" approach to manage water demand in the non-domestic sector. The presentation shares on the water efficient features to be considered in the building design. It also highlights water efficiency management system, recognition schemes for water efficiency, Water Efficiency Management Plan and funding available for adopting water efficiency measures.

CV

Ms Gayathri Kalyanaraman is a Senior Engineer of PUB's Water Supply Network Department. She works in the area of water demand management and works closely with the various non-domestic sectors and associations to implement water efficiency measures.

4th Topic: "Preventive Design and Ease of Maintenance to Reduce Mosquito Breeding" By Mr Jason Tan – Assistant Director of NEA's Operations Planning at the Environmental Health Department HQ

Synopsis
It is important that the design of buildings and structures take into consideration the ease of maintenance access to reduce mosquito breeding and to avoid features that may result in water stagnation and become potential breeding habitat for mosquitoes. This is especially so as Singapore's climate is highly conducive to mosquito breeding. This presentation highlights the various design aspects of buildings and structures to avoid water stagnation and to enable ease of maintenance access to reduce mosquito breeding.

CV
Mr Jason Tan is currently the Assistant Director for Operations Planning at the Environmental Health Department HQ. He has many years of experience leading teams of officers to carry out vector control intervention, especially in the control of mosquito and rodent-borne diseases. In his current job, Jason is responsible for planning and coordinating the day-to-day vector control operation across the five Regional Offices of NEA, as well developing new initiatives to improve NEA's vector control capacity.

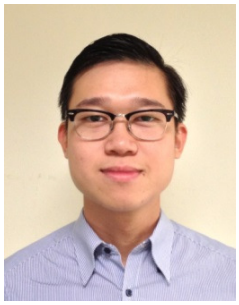
5th Topic: "Good Practices to Incorporate Noise Consideration in Planning New Development" By Mr Charles Lee – Principal Engineer of NEA's Central Building Plan Department (CBPD)

Synopsis
With rising population, urbanisation and the intensification of land use, residents in Singapore are increasingly exposed to various sources of noise such as construction noise, industrial noise, land and air traffic noise. There has been increasing demand from the residents in Singapore for a quieter living environment. To ensure a conducive living environment for residents, a multipronged approach would need to be taken to mitigate the noise such as applying noise mitigation measures at the source, pathway and recipients' end to increase the effectiveness of noise control.

For a new development sited at location with high ambient noise, noise considerations should be factored in at planning stage to ensure that potential occupiers would have a conducive living environment. In addition, the new development should not pose noise nuisance to the surrounding developments, particularly residential and noise sensitive developments.

CV
Mr Charles Lee joined NEA in 2000 and is a Principal Engineer with the Central Building Plan Department (CBPD). He holds a Bachelor Degree in Mechanical Engineering from NUS and Master of Science in Environmental Engineering from NTU. He has worked in Pollution Control Department, International Relations Department and was seconded to Ministry of Environment and Water Resources prior to his current portfolio in CBPD.

6th Topic: "Construction Noise Management"
By Mr Soh Zhengping – Engineer of NEA's Pollution Control Department



Synopsis
As developments get nearer to each other, expectation of our population for quality living environment increases. Amid such circumstances, effective noise management and control from construction works is required. This presentation shares the regulatory controls, profile of complaints, noise management plans, programs to promote quieter equipment and methods. Some best practices of noise control will also be highlighted.

CV
Mr Soh Zhengping graduated from the Nanyang Technological University with a Bachelor's Degree in Environmental Engineering. He is with the Pollution Control Department which engages the industry and public in managing air, water and noise pollution. He is an Engineer in the Inspectorate section and specializes in regulating and managing construction noise.

Application Form

[SAP Code: 2RCS-4201060-018]

EVENT DETAIL

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

Seminar : SIA/IES/NEA/PUB Joint Seminar 2014: Latest Development in Environmental Issues
Date : 18 September 2014, Thursday
Time : 1.30PM - 5.00PM (Registration will start from 1.00pm onwards)
Venue : Concorde Hotel Singapore – Concorde 2, 3rd level (Lobby Level) [100 Orchard Road, (S)238840]
(Venue Map: http://apex.sia.org.sg/xshare/Concorde_Map.pdf)
BOA-SIA CPD : 5 CPD points / PEB PDU Accreditation : 3 PDU points
Seminar fee : $100.00 (SIA / IES Members), $200.00 (Non Members) – *fees inclusive of GST*
Closing date : 12 September 2014

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:

[ ] By Cheque
Bank/Chq # : _____ Amt S$: _____
Local Cheque (must be drawn in Singapore) should be crossed and made payable to "Singapore Institute of Architects".

Mail to SIA address:
Singapore Institute of Architects
Eunos Technolink, Blk 3 Kaki Bukit Road 1, #02-01, (S)415935
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.

[ ] By Online Payment
http://members.sia.org.sg/payment/sia-20140918.html
(It is mandatory to provide us with your Receipt ID # after your credit card payment transaction)
Receipt ID #: ☐☐☐☐ - ☐☐☐☐ - ☐☐☐☐ - ☐☐☐☐

Participant's Detail

Organization: _____ Contact Person (if any): _____

Tel: _____ Fax: _____ Email: _____

Receipt Mailing Address: _____

_____ S ( )

	Full Name of Participant *(as per NRIC/FIN, pls underline surname)*	NRIC / FIN #	Email	Amt
1				
	HP #: ☐ *SIA / IES Member, #: [ ]* ☐ *Non Member, BOA # (if any): [ ]*			
2				
	HP #: ☐ *SIA / IES Member, #: [ ]* ☐ *Non Member, BOA # (if any): [ ]*			
3				
	HP #: ☐ *SIA / IES Member, #: [ ]* ☐ *Non Member, BOA # (if any): [ ]*			
4				
	HP #: ☐ *SIA / IES Member, #: [ ]* ☐ *Non Member, BOA # (if any): [ ]*			
5				
	HP #: ☐ *SIA / IES Member, #: [ ]* ☐ *Non Member, BOA # (if any): [ ]*			
			Total:	

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

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.:-