



National
Environment
Agency



SIA/IES/NEA/PUB Joint Seminar 2016: Sharing on Design Considerations in NEA and PUB Requirements

PROGRAMME DETAILS

Date : 11 November 2016, Friday
Time : 2.00PM - 5.10PM
Venue : Singapore Institute of Architects, SIA Theatrette - Level 3
79 Neil Road, Singapore 088904 ([Click here for directions](#))
Seminar fees : \$70.00 (SIA / IES Members), \$140.00 (Non Members) – *fees inclusive of GST*
Closing date : 4 November 2016

1.30pm	Registration
2.00pm	Welcome Remarks by SIA and NEA Director (CBPD)
2.10pm	Formation of Separate Technical Agencies (15 mins) Mr Sio Wei Hurng – Senior Manager in PUB's Building Plan Unit (BPU)
2.25pm	Waste Management Systems & Storage (15 mins) Mr Justin Tay – Engineer in Waste & Resource Management Department (WRMD), National Environment Agency (NEA which licenses General Waste Collectors (GWCs))
2.40pm	Common COPEH Enquiries, Dos & Don'ts (15 mins) Mr Jason Yip – Food and Environmental Hygiene Department
2.55pm	Common Dos & Don'ts for Noise Assessment in Non-Industrial Buildings (10 mins) Ms Teh Swee Kheng – Senior Engineer with Central Building Plan Department (CBPD), National Environment Agency (NEA)
3.05pm	Question & Answer
3.20pm	Tea Break
3.40pm	Design of Retention Tank Systems (20 mins) Mr Li Chengxi – Engineer in PUB's Catchment & Waterways Department
4.00pm	Security and Maintenance Requirements in the Design and Installation of Water Storage Tanks (20 mins) Mr Muhd Zaki Mohamedzen – Senior Engineer in the PUB Inspectorate Division of the Water Supply Network Department
4.20pm	Air and hydrostatic tests requirements (20 mins) Mr Jonathan Lim – Engineer with the Water Reclamation Network (WRN) in PUB
4.40pm	Energy Efficiency Requirements for New Industrial Facilities and Major Expansions (15 mins) Mr Liow Chean Siang – Senior Manager of the Energy Efficiency and Conservation Department in the National Environment Agency
4.55pm	Question & Answer
5.10pm	End

BOA-SIA Accreditation: **5 CPD**

PEB Accreditation: **3 PDU**

CPD/PDU (ABC) 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



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SYNOPSIS & SPEAKER



1st Topic: "Formation of Separate Technical Agencies" by Mr Sio Wei Hurng – Senior Manager in PUB's Building Plan Unit (BPU)

Synopsis

The speaker will share details on the formation of separate Technical Agencies (TAs) by NEA and PUB. From 1 Jan 2017, PUB and NEA will operate as separate TAs with PUB focusing on water related matters and NEA focusing on environmental related matters. The speaker will also share on changes to the submission process after PUB and NEA operate as separate TAs.

CV

Mr Sio Wei Hurng is a Senior Manager in PUB's Building Plan Unit (BPU). He has been handling Building Plan submissions related to drainage and sewerage. He also coordinates and supervises the communications (related to building plan submissions) with the industry.



2nd Topic: "Waste Management Systems & Storage" by Mr Justin Tay – Engineer in Waste & Resource Management Department (WRMD), National Environment Agency (NEA which licenses General Waste Collectors (GWCs))

Synopsis

The National Environment Agency (NEA) plans, develops and manages Singapore's waste management systems. This includes the proper waste collection and disposal of waste to maintain high standards of public health in Singapore. In this seminar, NEA will share information on common refuse storage systems. This will include operations and design considerations, to facilitate developers and architects' work in the building plan process.

CV

Mr Justin Tay is an Engineer in Waste & Resource Management Department (WRMD), National Environment Agency (NEA which licenses General Waste Collectors (GWCs))



3rd Topic: "Common COPEH Enquiries, Dos & Don'ts" by Mr Jason Yip – Food and Environmental Hygiene Department

Synopsis

This session aims to enhance QP's understanding and intention of the COPEH. NEA will share the common environmental health enquiries from QPs and discuss the Dos and Don'ts in complying with COPEH requirements

CV

Mr Jason Yip is with the Food and Environmental Hygiene Department to assist in the administration of the Code of Practice on Environmental Health (COPEH). He is part of the COPEH waiver committee and is involved in consultations and waiver reviews pertaining to environment health issues.



4th Topic: "Common Dos & Don'ts for Noise Assessment in Non-Industrial Buildings" by Ms Teh Swee Kheng – Senior Engineer with Central Building Plan Department (CBPD), National Environment Agency (NEA)

Synopsis

The Guideline on Boundary Noise Limit for Air Conditioning and Mechanical Ventilation Systems in Non-Industrial Building was introduced in 2005. The speaker will share on common queries and dos and don'ts for noise assessment in non-industrial building.

CV

Ms Teh Swee Kheng is a Senior Engineer with Central Building Plan Department (CBPD), National Environment Agency (NEA). She is involved in assessing noise assessment applications to ensure compliance with environmental requirements stipulated in the code of practices and relevant regulations.



SYNOPSIS & SPEAKER



5th Topic: “Design of Detention Tank Systems” by Mr Li Chengxi – Engineer in PUB’s Catchment & 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. The presentation will highlight the design considerations and submission requirements for on-site detention tank systems.

CV

Mr Li Chengxi is an Engineer in PUB’s Catchment & Waterways Department, responsible for drainage planning in the western region of Singapore. He is involved in the development and review of drainage schemes at the catchment level, to ensure the long-term performance and resilience of our drainage system. He is also involved in development control for drainage works, to ensure adequate drainage and flood protection measures are put in place for developments.



6th Topic: “Security and Maintenance Requirements in the Design and Installation of Water Storage Tanks” by Mr Muhd Zaki Mohamedzen – Senior Engineer in the PUB Inspectorate Division of the Water Supply Network Department

Synopsis

The speaker will highlight the critical security and maintenance requirements for water storage tanks as stipulated in the Singapore Standard CP 48: 2005 – Code of Practice for Water Services. The speaker will also share on good and bad practices in the design and installation of water storage tanks in customer premises.

CV

Mr Muhd Zaki Mohamedzen is a Senior Engineer in the PUB Inspectorate Division of the Water Supply Network Department. He is managing the Water Tank Section and is responsible to ensure a safe, reliable, wholesome & secure water supply through regulation & enforcement.



7th Topic: “Air and hydrostatic tests requirements” by Mr Jonathan Lim – Engineer with the Water Reclamation Network (WRN) in PUB

Synopsis

PUB has recently released a circular to the plumbing industry to remind the industry to conduct leak tightness tests. This presentation will cover the why and the how of conducting the Air and Hydrostatic tests.

CV

Mr Jonathan Lim is an engineer with the Water Reclamation Network (WRN) in PUB. His work experience includes reviewing plans at every stage of the submission process, assisting in the review the Sanitary and Sewerage COP, and processing of works that affect the public Sewer.



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SYNOPSIS & SPEAKER



8th Topic: “Proposed Enhancement in Energy Efficiency Requirements for New Industrial Facilities and Major Expansions” by Mr Liow Chean Siang – Senior Manager of the Energy Efficiency and Conservation Department in the National Environment Agency

Synopsis

System design synergies are usually present early in the design process before system choices are locked in. Facilities, on-site utilities and supply utilities are often oversized at the expense of energy efficiency. Incorporating instrumentations to track the energy performance of equipment and systems might also not be considered at the design stage. Designing a facility to be energy and resource efficient can reduce both the capital cost of the systems (due to reduced capacity needs in upstream utility systems) and resource use.

To promote energy management discipline and installation of energy management monitoring and reporting tools early in the facility development stage, it is proposed that companies investing in new industrial facilities and major expansions with potentially large energy consumption be required to do the following from 2018 onwards:

- a. review plant design to develop economically feasible energy/carbon efficiency opportunities for incorporation in the new facilities and report the findings; and
- b. plan for and install instruments and meters at the system level to enable reporting of energy use and energy performance based on measured data.

This presentation serves to provide more information on the proposed new requirements and gather feedback on which stage of the building plan development companies could submit their facility design review reports to NEA.

CV

Mr Liow Chean Siang is the Senior Manager of the Energy Efficiency and Conservation Department in the National Environment Agency. He has over 5 years of experience in promoting efficient use of energy in the industrial sector, evaluating the energy efficiency improvement measures implemented by industries, and is involved in developing and implementing mandatory energy management practices under the Energy Conservation Act.



EVENT DETAILS

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Seminar fee : \$70.00 (SIA / IES Members), \$140.00 (Non Members) – *fees inclusive of GST*
Closing date : 04 November 2016

[PRA]

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[] Cheque

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

☐ Cash

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

☐ Online Payment

<http://members.sia.org.sg/payment/sia-20161111-PM.html>
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Participant's Detail

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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.:-

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