



IES–NEA–PUB JOINT WEBINAR

Held Bi-Yearly, PUB and NEA collaborate to present the updated information and requirements to relevant professions and industries to ensure the various systems or fittings are being adhered to.

This seminar gives an overview on the regulatory requirements and approval process. This will help the Qualified Persons and Professional Engineers to exercise flexibility and creativity in the design to meet the stated requirements and needs.

The half day seminar aims to develop professional advice on required information, responsibilities and the code of practices for practitioners.

WEBINAR DETAILS

Date: 5 October 2021

Time: 2.00pm to 6.00pm

Fees:
\$30 (IES Members) / \$40 (M&E RE/RTOs)
\$50 (Non Members)
(Fees exclude 7% GST)

CPD Program: STU (M&E) /
PDU for PEs and CEngs
(All To be Confirmed)

Time	Topic	Speaker
2pm	Design considerations of Pneumatic Waste Conveyance System (PWCS)	Ms Bak Fong Ning National Environment Agency (NEA)
2.30pm	Changes to COPEH Requirements	Ms Vanessa Lee National Environment Agency (NEA)
3.15pm	Break	
3.30pm	Protection on PUB Sewer Pipe	Mr Chew Boon Ping, Delvis Public Utilities Board (PUB)
4.15pm	Protection on PUB Water Pipe and Approval Process	Ms Lee Pei Zhen Public Utilities Board (PUB)
5.00pm	Energy Efficiency	Er. Lim Say Leong Institution of Engineers, Singapore (IES)
5.45pm	Q&A	
6pm	End	

Jointly Organised by IES, Mechanical & Electrical Technical Committee, NEA and PUB

ABOUT SYNOPSIS AND SPEAKERS

DESIGN CONSIDERATIONS OF PNEUMATIC WASTE CONVEYANCE SYSTEM (PWCS)

There is a wider adoption of Pneumatic Waste Conveyance System (PWCS) in Singapore in recent years with HDB implementing PWCS in all new HDB Towns and selected existing Towns. It is also a requirement for new strata-titled residential development with at least 500 dwelling units to adopt PWCS.

This presentation will cover some of the design considerations for PWCS under Code of Practice on Environmental Health (COPEH) and Singapore Standard SS642: Code of Practice for Pneumatic Waste Conveyance System.

Ms Bak Fong Ning is the Executive Engineer of the Waste Collection System Branch under the Waste Management Division of the National Environment Agency. The branch oversees the waste collection systems adopted by developments in Singapore.

They are also responsible for reviewing policies and requirements for the storage and collection system of refuse and recyclables in the Code of Practice on Environmental Health (COPEH).

CHANGES TO COPEH REQUIREMENTS

NEA released the new 2021 edition of the Code of Practice on Environmental Health (COPEH) on 1 September 2021.

The speaker will share on the following new COPEH 2021 requirements:

- Ventilation, Ducting and Kitchen Exhaust System in Food Shop;
- Cooling Tower; and
- Aquatic Facility

Ms Vanessa Lee is an Assistant Manager in Environmental Hygiene Compliance Branch (EHCB) of Environmental Public Health Operations Group (EPHOG) in the National Environment Agency (NEA).

The team oversees the review of regulatory policies pertaining to the water quality for aquatic facilities and aerosol-generating systems, and the upstream design requirements for siting of kitchen exhaust duct in buildings.

This includes reviewing policies and requirements in the Code of Practice on Environmental Health (COPEH). The team also works closely with stakeholders to ensure that the water quality of aquatic facilities and aerosol-generating systems are complied within the regulatory limits.

For More Information,
please scan the QR Code
or visit www.ies.org.sg



ABOUT SYNOPSIS AND SPEAKERS

PROTECTION ON PUB WATER PIPE AND APPROVAL PROCESS

With the increase in construction activities, it is important to safeguard/protect the water pipe infrastructures near the construction works as these are critical assets serving the public and customers.

This presentation will cover the water pipe infrastructure protection regulations and protection methods. In addition, submission requirements and approval process prior to construction works near to PUB's water and sewer pipes will also be shared.

Mr Chew Boon Ping, Delvis is the Engineer from the Protection of Watermains and Surveillance Team under Water Supply Network (WSN) Department of Public Utilities Board (PUB). The unit regulates the construction activities within the Water Pipe Protection Corridors in Singapore and this includes reviewing the submission documents and carrying out site surveillance checks.

PROTECTION OF PUBLIC SEWERAGE SYSTEM BY PUB

With the increase in construction activities, it is important to safeguard sewerage infrastructures at construction sites as these are critical assets that convey used water from domestic and non-domestic premises to the water reclamation plants for treatment and recycling.

This presentation will cover the protection of public sewerage system regulations, common infringements and good practices to adopt during construction.

Ms Lee Pei Zhen is the Senior Engineer from Public System Unit under Water Reclamation Network (WRN) Department of Public Utilities Board (PUB). The unit conducts audit of newly constructed sewer, review sewerage forms submission and regulates works affecting public sewerage system.

ENHANCING ENERGY EFFICIENCY OF INFRASTRUCTURE BEYOND USING ENERGY EFFICIENT EQUIPMENT - BRIDGE THE GAP WITH ENERGY EFFICIENT INSTALLATION.

Energy efficiency has been playing a vital role in economic competitiveness of businesses and industrial processes; as well as reducing greenhouse gas emissions and improving quality of life. Several presentations have been done however a lot has been speaking on energy efficiency that is not used. IEC works for energy efficiency to help improve industrial productivity in a number of areas for energy efficient technologies and solutions. One such adoption by NEA is the IEC's energy efficiency of low voltage motors, namely the International Efficiency (IE). In short, there has been numerous focusses on equipment.

SS 638 , which adopts the IET Wiring Regulations, BS 7671, is primarily concerned with the safety of electrical installations. It does not cover how to design an electrical installation in an energy efficient manner. This talk is to introduce on the energy efficient of installation and usage of energy efficient products. The new IEC 60364-8-1, *Low Voltage electrical installations Part 8-1 Energy Efficiency*, which is available now can help fill the gap in our nation's drive to produce more water with energy.

Er. Lim Say Leong is the a IEC Ambassador, appointed by IEC for energy efficiency. He is Managing & Technical Director in Sunlight Electrical Pte Ltd. He represents Singapore at IEC in MT121 to work on IEC 61439 and associated standards.

Er. Lim is a Senior Member of The Institution of Engineers, Singapore.