



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Pre AGM Talk on “From Waste to Wealth”

(Organized by the Water Resources Technical Division, IEM)

BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/237/T

Date : 25th June 2016 (Saturday)
Time : 9.00 am–11.00 am (*Refreshment will serve in 2nd Floor*)
Venue : Tan Sri Chin Fung Kee Auditorium, 3rd Floor, Wisma IEM, PJ
Speaker : Datuk Ir. Abdul Kadir Mohd Din

SYNOPSIS

Over the years sewerage industry in Malaysia had greatly progressed from the basic sewage treatment pond facilities to advanced treatment systems that secures our nation's public health and safeguard our environment. Nevertheless for future sustainability, another leap in transformation of the industry is required. For this reality to transpire, sewage needs to be seen as a resource, whereby sewage treatment plants (STPs) are no longer operated a waste treatment centre rather as “waste to wealth recovery centre”. The resources available to be recovered include water, energy and nutrients such as nitrogen, phosphorus and organics in the form of treated bioeffluent, biogas and biosolids respectively. Apart from that, there is also other potential resources to be developed and explored from sewerage sector include production of biodiesel from algae and phosphorus extraction from sewage sludge in the form of calcium phosphate or struvite. As the above resources are recovered and reused within a community it contributes to overall environmental sustainability and reduces carbon and water footprint of Malaysia's growth centers.. It is envisaged with stakeholders support and through the establishment of necessary Guidelines as well as incentives for Green Technology application will impact the triple bottom line of economics, environmental and societal needs. The benefits of converting waste to wealth, will lead to better economy (development of new technology, new source of economy and job opportunities); better environment (sustainable waste management practices, minimize the contribution to GHG & zero waste) and beneficial social aspects (sustainable & healthy living environment).

BIODATA OF SPEAKER



Datuk Ir. Abdul Kadir Mohd Din is the Chief Executive Officer of Indah Water Konsortium Sdn Bhd (IWK), a national sewerage company wholly owned by the Minister of Finance incorporated with effect from 1 December 2009. His appointment complements IWK's existing capability and capacity in operating and maintaining over 6,440 public sewage treatment plants and 17,757 kilometers of sewerage pipelines as well as providing sewerage services to over 20 million users in Malaysia, with the exception of Kelantan, Sabah, Sarawak and Johor Bahru City Council's operational areas.

Datuk Ir. Abdul Kadir has more than 29 years of industry experience in the water and sewerage sectors. He has vast exposure in the engineering consultancy and public listed companies in senior management positions. He has extensive practical knowledge in planning, designing, managing water and sewerage works projects within the country and abroad in the United Kingdom, Brunei Darussalam, Middle East and Singapore.

Datuk Ir. Abdul Kadir holds a Diploma in Civil Engineering from UiTM, Shah Alam and graduated with a Bachelor of Science (Hons) degree in Civil Engineering from the University of Strathclyde, Glasgow, Scotland.

Datuk Ir. Abdul Kadir is a Professional Engineer registered with the Board of Engineers, Malaysia (BEM), ASEAN Chartered Professional Engineer (ACPE) and Chartered Engineer with the Institution of Civil Engineers, UK (MICE). He is also a Director of Malaysia Water Academy, Alumni Member of the Confederation of British Industry (CBI), and member of various professional institutions which includes: Institution of Engineers, Malaysia (IEM), Malaysian Water Association (MWA), Environmental Management of Research Associate of Malaysia (ENSEARCH), Malaysian Water Partnership (MyWP) and Water Environment Federation (WEF), United States and Academy of Sciences Malaysia (ASM) Associates (April 2016 – March 2018).

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- Non-members may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- IEM members who fail to produce their membership cards will be charged a fee of **RM25.00**. GST is inclusive.

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature:

Dato' Ir. Hj. Hanapi b. Mohamad Noor
Chairman, Water Resources Technical Division, IEM