

HALF DAY SEMINAR ON WATER SUPPLY DEVELOPMENT AND SEWERAGE CATCHMENT PLAN FRAMEWORK FOR WATER SERVICES IN MALAYSIA

REGISTRATION FEES
IEM MEMBERS & SPAN MEMBERS : RM20
NON-MEMBER : RM50

BEM Approved CPD Hours : 4
Ref No. : IEM25/HQ/547/S



SPEAKERS LINE UP!



Ir. Lee Chin Shyan



Ir. Ts. Sazali bin Osman.



Ir. Wan Muhammad
Haikal Bin Wan Ariffin

SEMINAR DETAILS



Date
**30th Oct 2025
(Thursday)**

Time
9.00am - 1.00pm



Venue
The Everly, Putrajaya

Here is the reason why **YOU SHOULD ATTEND**

The programme, organised by the National Water Services Commission (SPAN) in collaboration with The Institution of Engineer Malaysia (IEM), aims to explain the Sewerage Catchment Plan Framework, which sets out the planning policy and direction for the development of sewerage services in Malaysia (which is based on a more holistic and sustainable Integrated River Basin Management (IRBM) / Integrated Water Resources Management (IWRM) Approach). This programme targets professional engineers, particularly those involved and responsible for developing the water and sewerage services industry in our country in line with the provisions of the National Water Services Industry Act 2006 (Act 655) and its subsidiary regulations.

In addition to engineers registered under the IEM, stakeholders such as Ministries, Government Agencies and SPAN licensees were also invited to attend this programme to bridge the knowledge gap and strengthen collaboration in the development of sewerage infrastructure between industry players and policy makers.

Time	Agenda
8:30 AM	Registration
9:00 AM	<i>National Anthem Song and Opening Prayer</i>
9:10 AM	Welcome Address & Opening Ceremony by Executive Director, Technical Division, SPAN
9.15 AM	Welcome Address by Ir. Cheok Hou Seng, Chairman Water Resources Technical Division, IEM
9:20 AM	Presentation 1: Policy Directives and Strategic Direction of the Water Services Industry within the Framework for Sewerage Catchment Planning (SPAN) by <i>Ir. Lee Chin Shyan, Director of Resource and Catchment Planning Section, Technical Division of National Water Services Commission (SPAN)</i>
10:15AM	Morning Refreshments
10:30 AM	Presentation 2: Design Planning of Water Treatment Facilities and the Role of Qualified Persons (QP) (SPAN) by <i>Ir. Wan Muhammad Haikal Bin Wan Ariffin, Executive in the Resource and Catchment Planning Section, Technical Division, at the National Water Services Commission (SPAN)</i>
11:15 AM	Presentation 3: National Water Balance Management System (NAWABS), a management tool for implementing Integrated Water Resources Management (IWRM) in Malaysia by <i>Ir. Ts. Sazali bin Osman - Timbalan Pengarah, Pengurusan Sumber Air dan Hidrologi, JPS Malaysia</i>
12.00pm	Q & A Session
12.30pm	Token Presentation to Speakers
1.15pm	Lunch & End of Session

SPEAKERS BIODATA

Ir Lee Chin Shyan is a professional civil engineer (PEPC) registered with the Malaysian Board of Engineers. He is currently the Director of Resource and Catchment Planning Section, Technical Division of National Water Services Commission (SPAN). SPAN is the technical and economic regulatory body for the water supply and sewerage services in Peninsular Malaysia and Federal Territories of Putrajaya and Labuan.

His current responsibilities involve water resources management and sewerage catchment planning related to water supply and sewerage services. His department is responsible for planning and implementation of water services infrastructure to comply with the established legislation, standards, contractual obligations, rules/regulations and guidelines as well as policies of the Ministry.

He has 20 years of experience working with SPAN and engineering consulting firms in water services regulatory functions, water supply/resource planning, irrigation water supply, rainwater harvesting, dam surveillance monitoring, hydrological monitoring, design and project management, flood investigation, flood mitigation projects and construction site supervision.

Ir. Wan Muhammad Haikal Bin Wan Ariffin is a registered Professional Engineer (PE) with the Board of Engineers Malaysia. He currently serves as an Executive in the Resource and Catchment Planning Section, Technical Division, at the National Water Services Commission (SPAN). He holds a Bachelor of Engineering (Hons) in Civil and Structural Engineering from the University of Adelaide, Australia.

In his capacity at SPAN, he is responsible for regulating the water services and sewerage sectors.

His key responsibilities include overseeing the performance of the Water Services and Sewerage Certifying Agencies appointed by SPAN to evaluate and approve applications pertaining to the planning, design, and construction of water services and sewerage works. He is also involved in reviewing and processing applications for water supply system plans and specifications, assessing technical appeal cases, and contributing to the monitoring of water supply reserve margins. Additionally, he actively participates in stakeholder engagement through outreach initiatives and awareness programmes.

Ir. Ts. Sazali bin Osman is a seasoned professional in water resources and hydrology, currently serving as Deputy Director at the Department of Irrigation and Drainage (DID) Malaysia. He holds dual professional titles—Professional Engineer (Ir.) and Certified Technologist (Ts.)—reflecting his technical expertise and leadership in civil and environmental engineering. With decades of experience in managing national water systems, Ir. Ts. Sazali has contributed to policy development, flood mitigation planning, and sustainable water resource management. He is actively involved in national-level committees and initiatives aimed at enhancing Malaysia's water infrastructure and resilience. His work supports the country's goals in climate adaptation, integrated river basin management, and public safety.