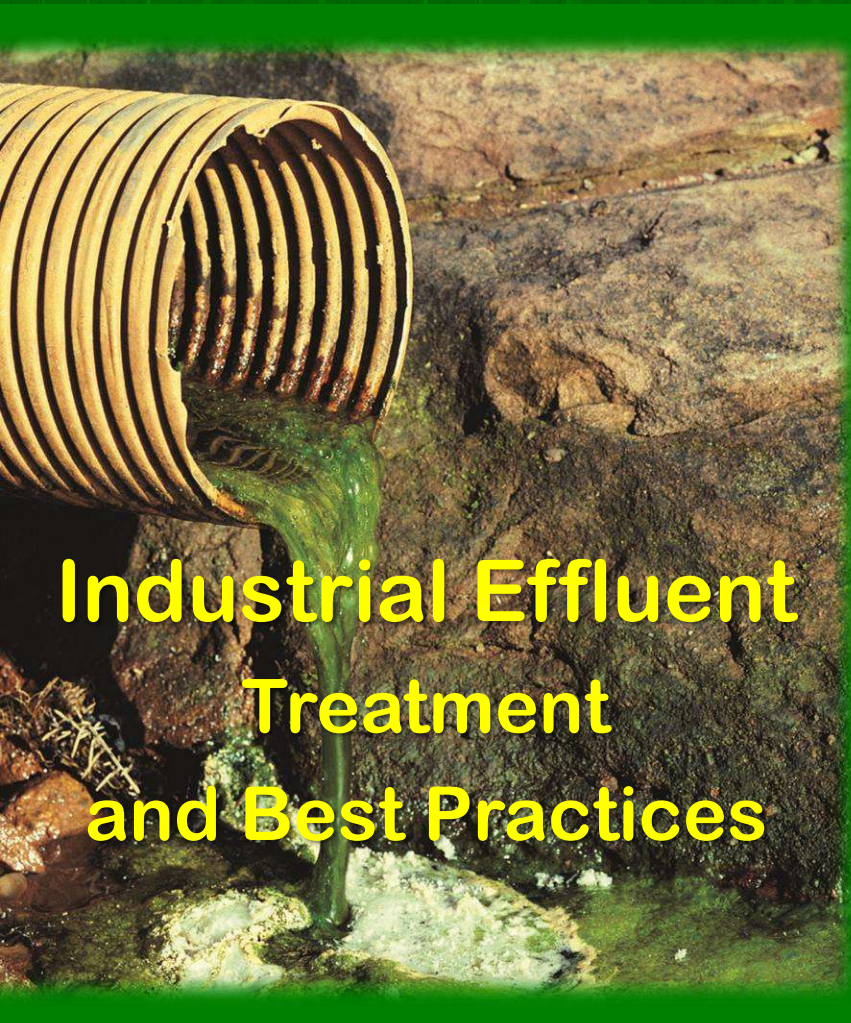


Online  
Learning



Course Serial No.: 10001529495

# FMM INDUSTRIAL WASTE MANAGEMENT WEBINAR 2025



## Industrial Effluent Treatment and Best Practices

- May 13, 2025  
Tuesday
- 9.00am – 1.00pm
- Zoom

**CPD hours**

(application being reviewed)

*Knowledge Partner*

Industrial Water Engineers  
(M) Sdn Bhd



There are various best practices that can optimise industrial effluent treatment. These practices encompass the entire treatment process, from selecting the most suitable treatment methods for specific contaminants to meticulously monitoring effluent quality. Integrating these best practices ensures that industrial effluent treatment is not only efficient at removing pollutants but also cost-effective and sustainable in the long term.

**Why Environmental / Factory / Plant / Production Managers and Executives, Engineers and Consultants should attend this Webinar**

- Enhance understanding on industrial effluent treatment processes.
- Explore best practices for optimising effluent treatment systems.
- Learn about emerging technologies in industrial effluent treatment.
- Gain insights into regulatory compliance for industrial effluent discharge.



FEDERATION OF MALAYSIAN MANUFACTURERS

## FMM INDUSTRIAL WASTE MANAGEMENT WEBINAR 2025

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Zoom

#### Speakers

**Mr Chris Lim Vui Yap**

*General Manager*

*Industrial Water Engineers (M) Sdn Bhd*

*Knowledge Partner*



**Industrial Water Engineers  
(M) Sdn Bhd**

**Ms Tan Woan Giun**

*Assistant Process Manager*

*Industrial Water Engineers (M) Sdn Bhd*

**Mr Shane Subramaniam**

*Senior Business Development Manager*

*Industrial Water Engineers (M) Sdn Bhd*

Time	Topic
9.00 am	<b>Understanding Industrial Effluents</b> <ul style="list-style-type: none"><li>• Types of industrial effluents (organic, inorganic, toxic)</li><li>• Characterisation of industrial effluents (physical, chemical, biological parameters)</li></ul>
9.15 am	<b>Industrial Effluent Treatment Process</b> <ol style="list-style-type: none"><li>a) Pre-treatment</li><li>b) Primary treatment methods (screening, sedimentation, flotation)</li><li>c) Secondary treatment methods (biological treatment, activated sludge process)</li><li>d) Tertiary treatment methods (filtration, disinfection, reverse osmosis)</li></ol> <ul style="list-style-type: none"><li>• Selection of appropriate treatment technology based on effluent characteristics</li><li>• Case studies of effluent treatment for different industries (food processing, metal finishing, textiles)</li></ul>

*Continued on next page*

*Continued*

10.15 am	<b>Best Practices for Industrial Effluent Management</b> <ul style="list-style-type: none"><li>• Minimisation of water usage and wastewater generation in industrial processes</li><li>• Process optimisation and housekeeping practices to reduce pollutants</li><li>• Pre-treatment techniques for specific pollutants</li><li>• Monitoring and maintenance of effluent treatment systems</li></ul>
11.20 am	5-minute break
11.25 am	<b>Advanced Treatment Technologies: Exploring the Benefits and Limitations</b> <ul style="list-style-type: none"><li>• Anaerobic processes (e.g., UASB, Anaerobic Digester)</li><li>• Membrane filtration (e.g., MBR)</li></ul>
12.00 pm	<b>Regulatory Compliance and Reporting</b> <ul style="list-style-type: none"><li>• Understanding effluent discharge limits and permit requirements</li><li>• Monitoring and reporting procedures for industrial effluent discharge</li><li>• Best practices for maintaining compliance and avoiding penalties</li></ul>
12.30 pm	<b>Question &amp; Answer Session</b>
1.00 pm	End of Webinar

The organiser reserves the right to amend the programme in the best interest of the event.



### SPEAKERS

**Mr Chris Lim Vui Yap**  
**General Manager**  
**Industrial Water Engineers (M) Sdn Bhd**



With over 27 years of expertise in water and wastewater treatment engineering, Mr Chris Lim specializes in industrial wastewater applications, focusing on the design and construction of Dissolved Air Flotation (DAF) systems, biological treatment processes (SBR, MBBR, Aeration, BNR), and daily operational management. Since 2001, he has overseen Industrial Water Engineers (M) Sdn. Bhd., where he has successfully designed and built more than 250 Water Treatment Plants (WTPs) and Wastewater Treatment Plants (WWTPs) across 12 countries. His contributions extend to designing and supplying Biogas Holder Systems and Gas Flare solutions for projects in Malaysia, Singapore, Philippines, and Vietnam.

**Ms Tan Woan Giun**  
**Assistant Process Manager**  
**Industrial Water Engineers (M) Sdn Bhd**



Ms Tan Woan Giun has been specialising in wastewater treatment projects since 2019 in process design for over 50 projects across diverse industries such as Food & Beverages, Glove Manufacturing, Palm Oil Refinery, Dairies, Poultry Processing, etc. She excels in designing both chemical and biological treatment processes, including Sequential Batch Reactor (SBR), Moving Bed Biofilm Reactor (MBBR), Aeration systems, Dissolved Air Flotation (DAF), and secondary treatment methods.

**Mr Shane Subramaniam**  
**Senior Business Development Manager**  
**Industrial Water Engineers (M) Sdn Bhd**



Shane Subramaniam is a seasoned professional with a Master of Engineering Management from Curtin University of Technology, Perth, Australia. He is a certified Project Management Professional (PMP) and a Senior Graduate Member of the Institute of Engineers Malaysia (IEM). With over 18 years of experience in project management, business development, and contract administration, Shane has established himself as an expert in the water, sewage, and wastewater sectors. Throughout his career, Shane has contributed significantly to numerous large-scale projects. Notably, he was part of the team that successfully delivered the 770 MLD Selangor Raw Water Security Scheme Package 4 in Semenyih, Selangor, and the 200 MLD Yenso Sewage Treatment Plant in Vietnam. Shane's extensive expertise and leadership in the industry continue to make him a valuable asset to any team, bringing innovation and precision to complex infrastructure projects.

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Learning

# FMM INDUSTRIAL WASTE MANAGEMENT WEBINAR 2025

## Industrial Effluent Treatment and Best Practices



Course Serial No.:  
10001529495

CPD hours

(application being reviewed)

May 13, 2025 (Tuesday)

9.00am – 1.00pm

Zoom

Organiser / Payee: **Federation of Malaysian Manufacturers**  
MyCoID / ROC: **007907X / 196801000309**  
SST Registration No.: **W10-1901-32000108**

### WHO SHOULD ATTEND THIS WEBINAR

Environmental / Factory / Plant / Production Managers and  
Executives, Engineers and Consultants

### PARTICIPATION FEES

(RM)	Fee per pax	SST	Total per pax
FMM / GS1 member	450.00	36.00	486.00
Non-member	550.00	44.00	594.00

- 10% group discount for 3 persons or more from the same company.
- **This webinar is a HRD Corp Claimable Course (SBL-Khas).**  
Course Serial No.: 10001529495

### CONTRIBUTORS TO HRD CORP

- Contributors are required to email the HRD Corp Grant Reference Number to [event@fmm.org.my](mailto:event@fmm.org.my) by May 9, 2025.
- If FMM could not claim participation fee from HRD Corp after the event (participant with less than 75% attendance), FMM will issue an invoice of the full fee to the company.

### ENQUIRIES

Contact: Ms. Siti Hajar / Ms Kwai Kaun  
E-mail: [siti\\_hajar@fmm.org.my](mailto:siti_hajar@fmm.org.my) / [event@fmm.org.my](mailto:event@fmm.org.my)  
Tel: 03-6286 7200 ext. 356 or 380

### NON-CONTRIBUTORS TO HRD CORP

Invoice will be issued accordingly. Before the event, all confirmed participating companies with outstanding fees need to **provide a letter or an email to undertake payment arrangement**. Last-minute registration with payment will be admitted on space availability basis.

### Payment methods

- 1) Bank transfer to Malayan Banking Bhd.
  - Account no.: **5-14208-33076-8**
  - SWIFT code: **MBBEMYKL**(Email or fax bank-in slip to [financedivision@fmm.org.my](mailto:financedivision@fmm.org.my))
- 2) Cheque crossed **Account Payee Only**.  
(Invoice number on reverse side of cheque. Mail to address stated on the invoice.)
- 3) JomPAY
  - Biller code: **20073**

### CANCELLATION / REPLACEMENT / NO-SHOW

Cancellation of participation and refund is not allowed.  
Replacement participant is accepted at no extra charges.

FMM reserves the right to cancel or reschedule the programme. All efforts will be taken to inform participants of any changes. If FMM decides to cancel or postpone the event, FMM will not be responsible for covering all costs incurred by participants. Participants who do not attend the event are liable for the full fee.

### CLOSING DATE FOR REGISTRATION

**May 9, 2025**

## Zoom Online Registration

### Registration Guidelines

1. Please register online preferably using your company's email address.
2. For registration of more than one participant, please submit online registration for each participant with a different email address.

Click

<https://bit.ly/fmm-13may25-register>

or

Scan



### Technical Information

- Within 2 – 3 working days after registration, a **confirmation email** will be sent to you, with the link to join the webinar. If you did not receive it, please contact: [event@fmm.org.my](mailto:event@fmm.org.my).
- **Reminder emails** will be sent to you 1 week, then 1 day before the event and again 1 hour before it starts. As these are automated emails, you may need to check your junk mail box.
- You may join the webinar **15 minutes before the starting time**.
- FMM will **record the webinar** for future reference.
- The Q&A function will be used for participants to engage with the speakers, rather than audio and video. So, be mindful of your **login name** as it will be seen by other participants. Please retain it throughout the webinar.
- Please ensure you have access to **one device** (laptop, desktop, tablet or handphone) with a **strong internet connection**.