

Half Day Seminar on Understanding Air Pollution Control and its Technologies for Biomass Boilers and the Sewerage Industry

IEM SABAH TRAINING CENTRE, DAMAI, KOTA KINABALU, SABAH
2 July 2025 (Wednesday), 8.00am - 1.00pm

REGISTRATION FEES

IEM Student/Graduate: RM80.00

IEM / ACEM Members: RM100.00

Non-Members: RM200.00

IEMSABAH/2025/10

BEM Approved CPD Hours: 4

TOPICS

Dust Collection Systems

1. Key performance characteristic of Palm Oil Mill Boilers to ensure better fuel efficiency, reduce maintenance cost and emissions.
2. Basic Characteristics of three (ESP, Scrubber and VORSEP) APC technologies typical for Palm Oil Boilers and how to reduce maintenance cost and increase performance of each long-term.

Odour Control Systems for the Sewerage Industry

Emphasis on health and safety of operators by isolating hazardous odorous gases preventing exposure when working in the sewerage facilities and ensuring acceptable treated sewage odour levels in the surrounding environment.

Design Basis for Odour Control Systems (OCS) in Sewerage Facilities :

Accurate Odour Problem Definition

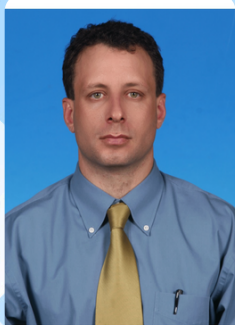
- Identify Odour generating sources
- Containment of identified Odour sources
- Confirm level of Odour concentration to be treated
- Conveying resultant odorous gases to an Odour Treatment Unit (OTU)

Cost-effective Odour Treatment System

- For inlet odour levels of 10,000 OU/cu.m or less, the Odour removal efficiency shall be such that the treated outlet gas shall not exceed 1,000 OU/cu.m
- For inlet odour levels of over 10,000 OU/cu.m, a combination of OTUs may be required for the treated outlet gas to not exceed 1,000 OU/cu.m
- For Hydrogen sulphide and another identified hazardous gases, the treated outlet concentrations shall not exceed the emission limits set by Environmental Quality (Clean Air) Regulations 2014.

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SPEAKERS



John Henning De Kock

Mr. John de Kock is the Technical Director of Excel Air Engineering Sdn Bhd. His expertise is in axial flow vortex tubes used to separate dust from exhaust gasses, specifically biomass boilers. An Alumni of Stellenbosch University while studying under scholarship from the Atomic Energy Corporation of South Africa, he started his career mastering Isokinetic Dust Measurements, Air pollution Problem Definition and Performance Evaluation of Air Pollution Control Devices.

Active in Malaysian Biomass Boiler industry since 1997, he has extensive experience in Biomass Boiler Combustion Control and its effect on Flue gas emissions and Air Pollution Control Equipment



Yap Kam Biow

Mr. Yap has a B.Sc (Mechanical Engineering) USA 1977 with his professional journey in Air Pollution Control spanning over four decades. He is the Managing Director of Excel Air Engineering Sdn Bhd, an Air Pollution Solution Provider with proven total solutions, the Deputy Chairman of Association of Environmental Consultants & Companies of Malaysia (AECCOM) and also a Member of Federation of Malaysian Manufacturers (FMM) Environmental Management Committee.

PROGRAMME

08.00am - 08.30am	Registration
08.30am - 10.00am	Session 1- Dust Collection System with Boiler Combustion Control for Palm Oil Mill Boilers
10.00am - 10.30am	Q&A
10.30am - 11.00am	Tea break
11.00am - 12.30pm	Session 2- Odour Control Systems for the Sewerage Industry
12.30pm - 01.00pm	Q&A
01.00pm	End, Lunch

Registration Fee

IEM Student / Graduate: RM80.00
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Payment details: The Institution of Engineers Malaysia
60098-00100-11240 (Alliance Bank)

