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Malaysian Water Academy Sdn Bhd

# TECHNICAL CONTROL OF NUTRIENT DOSING IN IETS

SEAT ARE LIMITED! REGISTER NOW!!!



**Eimas CPD  
Applied**

**BEM CPD  
Applied**



**Trainer: Ts. Maizan Aza bin  
Mohamed Yusop**

**Date : 8-9 November 2022**

**Time : 9am- 5pm**

**Venue : Ground Floor, MyWA  
Sri Hartamas, KL**



# OVERVIEW

In a biological process IETS, nutrient dosing is one of important task to be done to ensure the sustainability of the microorganism. Type of nutrient is important in order to ensure that the nutrient is dose based on the recommended protocol. How to dose, how much to dose, how effective the dosing, and how efficient the system will determine the success and objective of the nutrient dosing.

Unfortunately, in some operation, nutrient dosing is not taken as an important measure that will create unforeseen issue to the biological plant and to the final effluent quality. Restoration of an upset biological plant that is resulted from nutrient issue may create high rescue cost which can be prevented with proper nutrient control. This 2-day training will focus on the importance of nutrient, dosing requirement, technical calculation, effect of low nutrient and overdose nutrient, impact to the environment, and methodologies to handle these nutrient related issues.

## LEARNING OUTCOME

At the end of this 2 day program, participants will be able to:

- Understand the requirement and importance of nutrient.
- Identify the nutrient related issue in the IETS.
- Identify an accurate nutrient dosing system.
- Perform nutrient technical calculation in operation.

## TARGET PARTICIPANT

- IETS practitioner (operator, technician, engineer, executive).
- Manager (IETS, Maintenance, Facilities, QC).
- CePIETSO BP and PCP.
- For those who are preparing the Field Training Report (FTR).
- Anyone who are interested to know more on IETS operation system

## METHODOLOGY

- Interactive knowledge sharing.
- Audio visual stimulants.
- Group discussion.
- Exam.



# PROGRAM

## Day 1

8:00am to 9:00am: Registration

9:00am to 10:45am: Module 1: IMPORTANCE OF NUTRIENT in BP SYSTEM.

10:45am to 11:00am: Break

11:00am to 1:00pm: Module 2: SPECIFIC NUTRIENT DOSING.

1:00pm to 2:00pm: Lunch

2:00pm to 3:30pm: Module 3: ACCURATE NUTRIENT CALCULATION.

3:30pm to 3:45pm: Break

3:45pm to 5:00pm: Module 4: ACCURATE NUTRIENT DOSING.

## Day 2

9:00am to 10:45am: Module 5: PROBLEM WITH NUTRIENT.

10:45am to 11:00am: Break

11:00am to 1:00pm: Module 6: IDENTIFICATION ON SUFFICIENT DOSING.

1:00pm to 2:00pm: Lunch

2:00pm to 3:15pm: Modules review and Q&A session

3:15pm to 3:30pm: Break

3:30pm to 5:00pm: FINAL ASSESSMENT



# TRAINER PROFILE

Maizan Aza is a PSMB Certified Trainer for Malaysian Water Academy (MyWA). He has over 19 years of experience in IETS and a CePIETSO (Certified Environmental Professional for Industrial Effluent Treatment System) for both biological process and Physical & Chemical Process.

He completed his Bachelor Degree in Mechanical Engineering with UNITEN on 2000 and completed the final certification in IETS with DSD (Dept. of Skill Development) for Malaysian Skill Advanced Diploma in IETS Specialization. His training focusses on the IETS operation, supervision, optimization, and specialization based on the requirement of EQA1974, IER2009, and the DSD NOSS (National Occupational Skill Standard).

His interest in IETS makes him to share the knowledge (explicit) and experience (tacit) with F&B companies such as Cocoaland, Rotiboy, Kings Confectionary, Pak Hailam Kopitiam, Fuji Bakery, Old Town, Papparich, Fusipim, and many more.

## REGISTRATION FEE

### Normal Price:-

MWA Member: RM 1350.00/Pax

Non- Member: RM 1750.00/ Pax

### Early Bird Price:-

MWA Member: RM 1100.00/ Pax

Non Member: RM1500.00/ Pax

*\*Early Bird Rate only available until 2 weeks before the training program*

### Discounted Price:-

Register 2-4 Pax

MWA Member: RM 1200.00/Pax

Non- Member: RM 1600.00/ Pax

Register 5-9 Pax:-

MWA Member: RM 1099.00/Pax

Non-Member : RM1499.00/ Pax





# TECHNICAL CONTROL OF NUTRIENT DOSING IN IETS

## 8-9 NOVEMBER 2022

### Participant Details

NO	NAME	IC NO	DESIGNATION	EMAIL	PHONE

**FOR ONLINE REGISTRATION**



### Organization Details

Organization Name & Address:

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

### Payment Details

Enclosed herewith my/our full payment, cheque no. \_\_\_\_\_ of RM \_\_\_\_\_ issued to **MALAYSIAN WATER ACADEMY SDN BHD Account No: 277 000 23799 (Hong Leong Bank Berhad)**

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date & Org. Stamp

### TERM & CONDITION

Registration will only be confirmed upon receipt of full payment. Program fee includes refreshments, course materials and certificate.

### CANCELLATION

- No cancellation & refund are allowed within five (5) working days from the date of program.
- Substitution of participant(s) is allowed with no additional charge, provided that the Malaysian Water Academy Sdn Bhd (MyWA) is notified in writing of the name & designation of the new participant(s) within five (5) days from the date of program.
- Late and unpaid registration will also be liable for full payment of the registration fee.

### DATA PROTECTION

- Personal data is gathered in accordance with the personal data protection act 2010 (act 709)

### DISCLAIMER

MyWA reserves the right to change the venue and facilitator, and to reschedule or cancel the course whenever deemed necessary. We shall inform participants of any changes that may arise. MyWA also reserves the right to make alternative arrangements without prior notice should it be necessary to do so. Upon signing the registration form, you are deemed to have read & accepted the terms & conditions.

## CONTACT PERSON

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