



CePPOME

COURSE FOR CERTIFIED ENVIRONMENTAL PROFESSIONALS IN THE TREATMENT OF PALM OIL MILL EFFLUENT

Course Information

**Organized by ENVIRO ACADEMY, certified training provider by DOE*

BIL	*DATE	VENUE
1	6-10 March 2023	Training Centre, Enviro Academy Sdn. Bhd 2A & 2B, Jalan Sungai Burung U32/U Bukit Rimau, Seksyen 32 40460 Shah Alam SELANGOR
2	29 May - 2 June 2023	
3	10-14 July 2023	
4	21-25 August 2023	
5	2-6 October 2023	
6	27 November - 1 December 2023	
APPROVED TRAINING PROVIDER BY HRDC (MYCOID:1002370D) SBL KHAS		

*Subject to changes

Payment must be made prior to attending the course!!

The candidates may not be allowed to attend the course if payment is not made before or on the first day of the course

Seats Limited to 25 Participants Only

Course Fee :
RM5,000.00 per pax
Subject to 6% SST
Closing date : Two weeks before course date



Minimum entrance requirement: Candidates must possess a-

- Bachelors Degree/ Diploma in Science or Engineering; or
- Certificate from Polytechnics or Malaysian Skills Certificate (SKM) level 3 with 1 year experience in POME operation or supervision.; or
- Malaysia Certificate of Education (SPM) with 3 years experience in POME operation or supervision.

Who should attend;:

- Mill personnel who are in charge of supervising the operation of Palm Oil Mill Effluent Treatment Systems (POMETS)

To ensure continued regulatory compliance, you need **COMPETENT PERSONS** to operate or supervise the operation of your POMETS 'GET YOUR POMETS OPERATORS AND SUPERVISORS CERTIFIED THROUGH THE CERTIFICATION PROGRAM OF THE DOE!'

Enviro Academy Sdn Bhd
2A & 2B, Jalan Sungai Burung U32/U, Bukit Rimau, Seksyen 32
40460 Shah Alam, SELANGOR, Malaysia.
Tel: +603-51318032 | Email: registration@enviroacademy.com |

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INTRODUCTION

The palm oil mills are notorious for generating huge quantities of polluting effluents which need to be treated before disposal. Over the years, various technologies have been developed for the purpose of treating the palm oil mill effluent (POME). POME, a high strength organic effluent is typically treated using a variety of biological treatment systems employing microorganisms as the "work horses". The operation of POME treatment systems (POMETs) requires knowledge and skills in order to ensure optimal conditions are maintained for the microorganisms to thrive and biodegrade the high concentration of organic matter in the POME. Optimally operated and well maintained POMETs will produce compliant effluents on a consistent basis hence the mills will be in legal compliance at all times. Effluent treatment systems, especially those employing biological processes such as POMETs require close attention and monitoring because biological processes are susceptible to upsets due to changes in environmental and process conditions. Trained POMETs personnel who possess the "minds on" and "hands on" qualities are a prerequisite for successful operation of POMETs that will minimize the adverse environmental impacts resulting from the mill operation.

The "minds on" aspects include sufficient understanding of the relevant regulatory framework and the working concepts of the POME treatment processes. The "hands on" aspects include the skills to monitor the treatment processes and assure the important factors are maintained for optimal treatment process efficiency. As a consequence, compliance with the environmental regulations will be ensured on a sustained basis.

The overall objective of this certified training course is to produce technically competent mill personnel who are also conversant with the regulatory requirements. The certified persons will be the change agents who will mainstream the environmental agenda within the palm oil industry and help to green the industry.

COURSE CONTENTS

DAYS 1 and 2

Module 1	The CePPOMETs process
Module 2	Understanding the regulatory framework
Module 3	POME characteristics and impacts of POME discharge
Module 4	Overview of POME treatment systems
Module 5	The working concepts of POMETs
Module 6	Rationale for conducting performance monitoring of POMETs

DAYS 3 and 4

Module 7	Performance monitoring of common POMETs
Module 8	Maintenance of ponding systems
Module 9	How to control anaerobic digesters

DAYS 4 and 5

Module 10	How to control activated sludge systems
Module 11	POMETs maths
Module 12	POMETs Performance monitoring laboratory analysis
Module 13	Data analysis and interpretation
Module 14	Record keeping, reporting, and communication
Module 15	Field training report preparation
Module 16	CePPOMETs: The change agent Comprehensive Examination Presentation of Certificates of Attendance

BENEFITS OF ATTENDING

Course attendance is a mandatory prerequisite for the issuance of competency certificate as a competent person under the POMETs certification program

COURSE METHODOLOGY

- ❖ Lectures / Discussions
- ❖ Class Assignments
- ❖ Hands on Lab and Computer Sessions
- ❖ Field Training Report Assessment

OBJECTIVES

- ❖ To impart understanding of the environmental regulatory framework on palm oil mill operation to mill personnel;
- ❖ To impart knowledge and develop skills on the conduct of POMETs performance monitoring and evaluation of performance monitoring data;
- ❖ To produce mill personnel who possess both technical competence in POMETs operation and thorough understanding of regulatory requirements

ABOUT THE TRAINERS

Ir. Dr. Shamsudin Hj Ab Latif is a registered chemical engineer who holds a B. Sc. in Chemical Eng. from Leeds University, UK., a M. Eng. In Environmental Eng. from Asian Institute of Technology, Bangkok, Thailand, and a Sc. D in Public Health, from Tulane University New Orleans, USA. Dr. Shamsudin's experience in industrial pollution control spans over 30 years with several technical guidance documents to his credit. While with DOE, he prepared technical drafts of several regulations and he was also instrumental in initiating and developing competency certification programs for the DOE's officers and the industry. Dr. Shamsudin is a certified trainer and a certified training evaluator. He also served as an adjunct professor at several universities in Malaysia. (Competent Person Serial Nos.: CePIETSO-PCP/5059, CePIETSO-BP/5059, CePPOME /5059)

Mr Abdul Rahman Abdullah has a M.Sc Environmental Engineering from Universiti Teknologi Mara and is a competent person in CePIETSO(PCP), CePSTPO, and CePPOME. (Competent Person Serial Nos.: CePIETSO(PCP)/00177, CePSTPO/00136, CePPOME/00296).

Gan Hoe Yang has a B. Engineering in Electrical Mechatronics from Universiti Teknologi Malaysia and is a competent person in CePIETSO(PCP) and CePPOME. (Competent Person Serial Nos.: CePIETSO(PCP)/00638, CePPOME/00249)

ANY INQUIRIES PLEASE CONTACT:

Coordinator & Registration: Mr. Saiful Islam registration@enviroacademy.com or 0163336347

Finance : Mr. Raffles: registration@enviroacademy.com or 0166190238

ENVIRO ACADEMY
Phone: 03-51318032, 0163336347, 0166190238
EMAIL: REGISTRATION@ENVIROACADEMY.COM



COURSE APPLICATION FORM

ENVIRO ACADEMY has the right to reject incomplete applications

1. Course Title

2. Course Date

Course for Certified Environmental Professionals in The Treatment Of Palm Oil Mill Effluent

A. APPLICANT INFORMATION

3. Name [Grid]

4. IC No. [Grid] 5. Age [Grid] years

6. Sex Male Female

7. Nationality Malaysian Others, please specify: [Grid]

8. Mailing Address: [Grid]

City [Grid]

Postcode [Grid] State [Grid]

9. *Highest Qualification: SPM Polytechnic Cert/(SKM) level 3 Diploma in Sc / Eng B Sc / B Eng Master/PhD

*Note: Minimum Entrance Qualification is SPM with 3 year experience in operation & supervision in POME field. (please submit scanned certified true copy of the certificate together with the registration form).

10. Field of Study: Science; or Engineering. Work experience in POME field years

11. Current Position: [Grid]

12. Contacts Tel No (O): [Grid] H/Phone: [Grid]

Fax No (O): [Grid] E-mail: [Grid]

B. SPONSOR'S INFORMATION

Self-sponsored Mill/Company-sponsored *To be filled out by company-sponsored applicants only

If company sponsored, do you need an invoice? YES / NO

13*. Name of Mill / Employer: [Grid]

14*. Mill/Employer Address for Invoicing Purposes: [Grid]

15. Contacts Tel No (O): [Grid] Fax No. (O): [Grid]

Person in charge: (Finance Department) [Grid] E-mail : [Grid]

C. PAYMENT INFORMATION

16. Course Fee Amount: RM

5	0	0	0
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0	0
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 + SST (6%)

3	0	0
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0	0
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TOTAL RM

5	3	0	0
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0	0
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17. Payment Method: Bank Transfer (TT): Bank-in: HRDC SBL KHAS : Cheque :

* Cheque / bank draft should be made payable to **ENVIRO ACADEMY SDN BHD** and **received before or at the time of course registration on the first day**

* Our bank account no. is: CIMB 80-0359336-7 (Enviro Academy Sdn Bhd). If payment by bank-in, please provide a scanned copy of the bank-in slip

Official Stamp of Mill/Company:

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Signature of Sponsor

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Signature of Applicant

Date:

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2	0		
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TERMS & CONDITIONS

1. Fee is inclusive of course materials, lunches, and refreshments
2. Preferably, course application form and scanned copies of related documents to be submitted via email to **registration@enviroacademy.com**
3. Attachments :
 - a. Please provide a scanned CERTIFIED TRUE COPY of the diploma/masters/phD degree as attachment to the application form.
 - b. Applications without the proper documents attached will be rejected
4. Confirmation Details and Payment Terms: Upon receipt of the registration form, ENVIRO ACADEMY will confirm the seat and send an invoice via e-mail to the applicant/company. Payment is required within fourteen (14) days from the receipt of invoice or the latest at the time of registration
5. Payment Method :
 - a. ENVIRO ACADEMY accepts all kinds of payment as mentioned above. Payment should be made prior to the course. The candidates may not be allowed to attend the classes if the payment is not received latest at the time of course registration on the first day
6. Proof of postage is not proof of receipt by the ENVIRO ACADEMY. ENVIRO ACADEMY will not be responsible for any documents lost in transit
7. For any reason, ENVIRO ACADEMY decides to cancel or postpone a particular course, ENVIRO ACADEMY will not be responsible for covering airfare, hotel, or other travel costs incurred by the applicants. The course fee will not be refunded, but can be credited to a future course. Course program content is subject to change without notice.

For any enquires about the course, please contact the course coordinator Mr. Saiful Islam at 0163336347 and Raffles at 0166190238 or registration@enviroacademy.com

THANK YOU