

The Deadline of Clean Air Regulations is **JUNE 2019 !!**  
Is your factory complying?



## CePSO

### COURSE FOR CERTIFIED ENVIRONMENTAL PROFESSIONAL IN SCRUBBER OPERATION

#### Course Information



Date	Venue	COURSE FEE RM4,000.00 per person  (including course material, lunch, tea break & certificate)  (Closing Date : 2 weeks before course)  Payment should be made 2 weeks before the course
<ul style="list-style-type: none"> <li><input type="checkbox"/> 14 to 18 January 2019 (2 Sessions)</li> <li><input type="checkbox"/> 18 to 22 Feb 2019 (2 Sessions)</li> <li><input type="checkbox"/> 18 to 22 March 2019 (2 Sessions)</li> <li><input type="checkbox"/> 8 to 12 April 2019 (2 Sessions)</li> <li><input type="checkbox"/> 22 to 26 April 2019 (2 Sessions)</li> <li><input type="checkbox"/> 24 to 28 June 2019 (2 Sessions)</li> <li><input type="checkbox"/> 8 to 12 July 2019 (2 Sessions)</li> <li><input type="checkbox"/> 22 to 26 July 2019 (2 Sessions)</li> <li><input type="checkbox"/> 5 to 9 August 2019 (2 Sessions)</li> <li><input type="checkbox"/> 26 to 30 August 2019 (2 Sessions)</li> <li><input type="checkbox"/> 30 Sep to 4 Oct 2019 (2 Sessions)</li> <li><input type="checkbox"/> 21 to 25 October 2019 (2 Sessions)</li> <li><input type="checkbox"/> 11 to 15 November 2019 (2 Sessions)</li> <li><input type="checkbox"/> 2 to 6 December 2019 (2 Sessions)</li> <li><input type="checkbox"/> 16 to 20 December 2019 (2 Sessions)</li> </ul>	<p>Master Jaya Greentech Sdn Bhd Wisma Master Jaya, 20, Jalan Taming 3, Taming Jaya Industrial Park, 43300 Seri Kembangan, Selangor.</p> <p>Time : 8.30 am to 5.30 pm</p> <div style="border: 2px solid green; border-radius: 15px; padding: 5px; text-align: center;"> <p><b>HRDF CLAIMABLE !! (SBL Scheme)</b></p> </div>	

#### BENEFITS OF ATTENDING :

- Become a Competent Person (certified by DOE EiMAS) to operate and supervise the scrubbers operation as per DOE legal requirement
- Comply to DOE Environmental Quality Act & Clean Air Regulations
- Able to conduct Scrubber Performance monitoring follow DOE requirement
- Maximize scrubber efficiency & ensure smooth operation
- Minimizing unnecessary plant shutdown due to scrubber problems and non-compliance with DOE standards.

#### ENTRY REQUIREMENT

Candidate must possess :

- ✓ Diploma or Degree in Science or Engineering; or
- ✓ Certificates from polytechnic or SKM with level 2 with 1 year experience; or
- ✓ SPM with 3 to 5 years working experience in scrubber operation

#### WHO SHOULD ATTEND

- ✓ Industry personnel who are in charge of the operation, supervision, maintenance & management of the scrubber at manufacturing plant

#### WHAT OUR PARTICIPANTS SAY :

*"A very fantastic course, look back before attend the course, I am zero in operating scrubber and after attending this course, I have confidence to operate the scrubber. Thanks for the instructor"*

*-Tan Chooi Kim, ASE Electronics (M) Sdn. Bhd.*

*"Trainer is well versed in the topic. The training was well structured and easy to understand with the theoretical and practical knowledge"*

*-Kamil Nordin bin Norzuhdy, TNB Janamanjung*

*"Overall the course is good as I have learned the system in details. Now I am capable to operate the system well and increase its efficiency"*

*-Lee Chin Aan, Muda Paper Mills Sdn. Bhd.*

To Register or for any inquiries, please contact us :

Call or WhatsApp (Customer Service) : Ms Nami 012-537 0069 / Ms Aida 012-3310069 | Fax : 03-89626211

Email : [cepso@masterjaya.com.my](mailto:cepso@masterjaya.com.my) | [www.masterjaya.com.my](http://www.masterjaya.com.my)

## COURSE INTRODUCTION

One of the main air pollution control system widely used in the industries in Malaysia for the control of air pollutant is scrubber. The success operation of a Scrubber is primarily in the hands of the operator. A knowledgeable and skilled operator, supervisor or engineer know how to monitor the processes occurring in his scrubber, understand what factors affect the scrubber performance, know what operational conditions are best for his scrubber and how to maintain them, know how to respond to upset conditions, understand the social obligations and legal implications for non-compliance.

Successful operation of a scrubber is an integral part of the operation of a successful industry. A trained and skilled scrubber operator, supervisor or engineer is not anymore a luxury but rather a must-have to the industry. Good environmental performance not only portray positive corporate image, but avoid possibility of factory downtime and hefty monetary penalties due to legal actions from the environmental authority.

EiMAS is providing a training program to train your scrubber operators, supervisors and engineers to be competent in operating scrubber particularly in conducting performance monitoring of the scrubber. The competent person will ensure that the scrubber is operating optimally.

This unique training course which focuses on hands-on approach is in fact the only one of its kind in Malaysia. A Certificate of Competency will be awarded to participants who successfully completes the course, passes the examination and submits a field training report.

### OBJECTIVE

- Effective scrubber performance monitoring and preventive maintenance
- Proper scrubber operation to ensure smooth production
- Cost reduction in maintenance & production down time
- Compliance to DOE Environmental Quality Act & Clean Air Regulations and to avoid penalty

### COURSE CONTENT

#### Day 1

- Introduction of Air Pollution Control System (APCS)
- Introduction of various types of scrubbers
- Operating principle of scrubbers
- DOE legal requirement

#### Day 2

- Scrubber Components (Hands-on training)
- Fan introduction

#### Day 3

- Performance monitoring & Record keeping as per DOE requirement
- Preventive maintenance

#### Day 4

- Hands-on performance monitoring
- Scrubber common operating problems and troubleshooting
- Case study
- Field training report preparation

#### Day 5

- Examination
- Presentation of Certificates of Attendance

### COURSE METHODOLOGY

- Lectures
- Course assignment
- Hands on practical training using industry size scrubber at our Hands-on Air Pollution Control Training Center
- Group discussion

### ABOUT THE TRAINER

#### Ir. A.K. Woo

- Registered Professional Engineer with the Board of Engineers Malaysia
- Registered Chartered Engineer with the Engineering Council of United Kingdom
- Registered Asean Engineer
- He is the Founder & Managing Director of MASTER JAYA Group of Companies (since 1983) and has more than 35 years of practical hands-on industrial experience in Industrial Air Pollution Control in almost all types of manufacturing processes and industries.

#### Serafin Woo Hooi Ling

- Holds a B. Eng. (Hons) Degree in Mechanical Engineering from University of Sheffield, UK and M. Sc. in Environmental Engineering from University Putra Malaysia.
- Obtained extensive knowledge and practical hands-on experience in the industrial air pollution control industry over the past 19 years working in the industry in Malaysia.
- Areas of expertise include training, consulting, designing, project management, manufacturing, installation, testing & commissioning of bag filter dust collector, scrubbers, cyclones, oil mist filters, odour control system, local exhaust ventilation (LEV), ducting, chimneys & fans.
- She has conducted many seminars and training courses on Industrial Air Pollution Control for more than 3000 industry participants and DOE officers since year 2005.
- Closely collaborating with DOE & EiMAS on developing competency certification modules for the DOE's officers and the industry.

(Competency Serial No. : CEPBFO/5822 and CEP50/5822)