

# WATER SAMPLING PROTOCOL

## 4 – 5 JULY 2018

**Trainer:** En Shamsulhahk Ismail  
En Samsul Ariffin Kadri

### INTRODUCTION

SAMPLING is the act of collecting a portion of material for analytical purposes that accurately represents the material being sampled with respect to stated objectives. Modified from Standard Methods, 1060A (APHA and others, 2001) Correct sampling and storage are critical for accurate testing. Sampling devices and containers must be thoroughly clean to prevent carryover from previous samples. Preserve the sample according to test-specific information about sample preservation

### TARGET PARTICIPANTS

This course is designed for water quality analysis personnel, water treatment plant operator, technician, chemist, engineers, lab manager, plant manager and any personnel involve in carry out water sampling activities

### COURSE OUTLINE

- Planning a sampling event & documentation
- Sampling techniques
- Transport & storage
- Chain of Custody (COC) Procedure
- Documentation
- Quiz and assessment

### COURSE OBJECTIVES

The aim of the course is to give proper sampling techniques in assessing the quality of water and treated water supplied by the supply agency and of that at the point of use, so that samples of both should be taken. Samples must be taken from locations that are representative of the water source, treatment plant, storage facilities, distribution network, points at which water is delivered to the consumer, and points of use. In selecting sampling points, each locality should be considered individually

Training will be conducted at

**ATTC Training Centre Sdn Bhd**  
No 13A, Jalan IDA IA  
Taman Desa Aman  
52200 Kuala Lumpur

THIS TRAINING COURSE IS IN  
COLLABORATION WITH

**ATTC TRAINING CENTER**

**ATTC**

### REGISTRATION FEE

**MWA MEMBER:** RM1200.00

**NON-MEMBER:** RM1500.00

**STUDENT:** 800.00

**APPLIED CPD FROM IEM**  
**HRDF Claimable**

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TIME	PROGRAM
<b>4 JULY 2018</b>	
9.00 – 9.30AM	Pengenalan Kursus Pengambilan Sampel Air
9.30 – 10.30AM	<b>Topik 1:</b> Pengawetan Sampel Air
10.30 – 10.45AM	Rehat & Minum Pagi
10.45 – 11.30AM	Topik 1: Sambungan
11.30 – 1.00PM	<b>Topik 2:</b> Bekas Sampel Air dan Cool Box
1.00 – 2.00PM	Rehat & makan tengahri
2.00 – 2.30PM	<b>Topik 3:</b> Senarai Semak Sebelum Mengambil Sampel Air
2.30 – 3.00PM	<b>Topik 4:</b> Teori Pengambilan Sampel Air untuk Analisa Fizikal
3.00 – 3.30PM	<b>Makmal 1</b> – Amali Teknik Tepat Pengambilan Sampel Air bagi Tujuan Analisa Fizikal
3.30 – 3.45PM	Rehat & Minum Petang
3.45 – 5.00PM	<b>Topik 5:</b> Teori Pengambilan Sampel Air di Lapangan Untuk Analisa Bakteria Tamat
<b>5 JULY 2018</b>	
9.00 – 10.30AM	<b>Makmal 2:</b> Amali Teknik Tepat Pengambilan Sampel Air dari Pili bagi Tujuan Analisa Parameter Bakteria
10.30 – 10.45AM	Rehat & Minum Pagi
10.45 – 12.00NOON	<b>Makmal 3:</b> Amali Teknik Tepat Pengambilan Sampel Air di Sungai/Tasik/Kolam/Lombong/Telaga bagi Tujuan Analisa Parameter Bakteria
12.00 – 1.00PM	<b>Topik 6:</b> Teori Pengambilan Sampel Air di Lapangan untuk Analisa Kimia
1.00 – 2.00PM	Rehat & makan tengahri
2.00 – 3.00PM	<b>Makmal 4:</b> Amali Teknik Tepat Pengambilan Sampel Air di pili dan Sungai/Tasik/Kolam/Lombong/Telaga bagi Tujuan Analisa Parameter Kimia
3.00 – 3.30PM	<b>Topik 7:</b> Penghantaran Sampel
3.30 – 3.45PM	Rehat & Minum Petang
3.45 – 4.00PM	<b>Makmal 5:</b> Case Study
4.30 – 5.00PM	Rumusan & Penutup

## TRAINER

### **En Shamsulhahk Ismail**

- Master Degree of Environment from Universiti Putra Malaysia.
- Bachelors of Science in Chemistry , University of Malaya

### **En Samsul Ariffin Kadri**

- BSc(Hons) in Chemistry (UM)
- National Industrial Expert Registry-DPIN as Panel Expert- PIND

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## Terms & Conditions

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

## Cancellation

- No cancellation and 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) must be notified in writing of the name and designation of the new participant(s) within five (5) days from the date of program.
- Unpaid registrations 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, facilitator, and reschedule or cancel the course whenever deemed necessary. We shall inform the participant(s) in any changes 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 and accepted the terms and conditions.

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En. Samsul Ariffin Kadri

## REGISTRATION FORM

To: Malaysian Water Academy Sdn Bhd  
No. 24, Third Floor, Jalan Sri Hartamas 8,  
Taman Sri Hartamas, 50480 KUALA LUMPUR.  
Tel: 03-6201 1457/1562 Fax: 03-6201 1466  
Email: hafis@mwa.org.my (Hafis) or farah@mwa.org.my (Farah)

COURSE: WATER SAMPLING PROTOCOL  
DATE: 4 – 5 JULY 2018

### Participant Details

NO	NAME	IC NO	DESIGNATION	EMAIL	PHONE

### Organization Details

Organization Name & Address:

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\_\_\_\_\_

\_\_\_\_\_

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

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

### Payment Details

MWA Member: RM1200.00

Non-Member: RM1500.00

Student Member: RM800.00

Enclose 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