

**Training Duration:**  
**1 Day**

**Certification:**  
**Will be provided by**  
**Environmental Competency**  
**Consultancy Sdn Bhd**

**Individual:**  
**RM 1200/pax**

**In group (2 or more):**  
**RM 1000/pax**

## Contact us

Environmental Competency Consultancy Sdn Bhd

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## Tentative

Registration	8.30 a.m.
Begin Session	9.00 a.m.
Tea Break	10.30 a.m.
Continue Session	10.45 a.m.
Lunch Break	12.30 p.m.
Continue Session	2.00 p.m.
Tea Break	4.00 p.m.
Discussion and QnA	4.20 p.m.
Dismiss	5.00 p.m.

# Metal Precipitation & Chemical Reaction Workshop

## Introduction

Provide guidance and facilitate participants on how to conduct simulation treatment process on metal precipitation and chemical reaction

## Target Audiences

IETS Operator, Competent Person, Environmental Officer

- Participants are encouraged to bring their own sample



## Objectives

We will provide participants:

1. Guidance to conduct treatment simulation on participants own sample
2. Facilitate and instruct on how to conduct analysis on chemical dosage and on-site measurement on bulk chemical dosage
3. Rationale on importance of optimum pH vs dissolved metals
4. Assist participants in completing documentations and report as provide by guidance documents

## Course Outlines

- introduce the importance of Hydroxide precipitation and Sulphide precipitation curve
- Sample description and chemical properties required to conduct simulation treatment
- Hands-on activity in conducting simulation treatment according to participants own sample
- Determine the details below:
  - Optimum pH adjuster vs pH level
  - Optimum oxidizing agent vs ORP level
  - Optimum pH level vs dissolved metals
- Complete recording and report of simulation treatment process
- Compare and interpret cost analysis vs test results

