



# SLUDGE DEWATERING AND DISPOSAL

## COURSE DESCRIPTION

This course is designed to provide basic understanding on sludge dewatering and disposal concepts and design criteria. Topics include sludge dewatering principles, types of dewatering equipment, design criteria and calculations, operation & maintenance issues of sludge dewatering; sludge disposal methods and limitation; international standards of sludge disposal.

## COURSE OBJECTIVES

At the end of the course, participants will understand and be familiar with:

- The basic design criteria for all equipment/ treatment units
- Carrying out simple design calculations for all equipment/ treatment units
- The basic operational requirement/ needs of each equipment/ treatment units
- The various options for sludge disposal

## COURSE CONTENT

- Sludge Dewatering
  - ◆ Principle of sludge dewatering
  - ◆ Conditioning
  - ◆ Type of dewatering equipment
  - ◆ Theory and components
  - ◆ Design Criteria and Design Calculations
  - ◆ Operations/ Maintenance issues
- Sludge Disposal
  - ◆ Types of sludge disposal
  - ◆ Limit of applications
  - ◆ Methods of application
  - ◆ International Standards of Sludge Disposal

## DURATION

1 Day

## WHO SHOULD ATTEND

Engineers and Technical personnel from water and wastewater industry

## COURSE FEE

RM550.00 per person

## COURSE SCHEDULE

9.00 am – 10.30am	<input type="checkbox"/> Sludge Dewatering <ul style="list-style-type: none"> <li>• Principle of sludge dewatering</li> <li>• Conditioning</li> <li>• Type of dewatering equipment</li> <li>• Theory and components</li> </ul>
10.30am – 10.45am	Coffee/Tea Break
10.45am – 12.45pm	<input type="checkbox"/> Sludge Dewatering <ul style="list-style-type: none"> <li>• Design Criteria and Design Calculation</li> <li>• Theory and components</li> <li>• Design Criteria and Design Calculation</li> </ul>
12.45pm – 2.00pm	Lunch Break
2.00pm – 3.30pm	<input type="checkbox"/> Sludge Disposal <ul style="list-style-type: none"> <li>• Types of sludge disposal</li> <li>• Limit of applications</li> </ul>
3.30pm - 3.45pm	Coffee/Tea Break

3.45pm – 4.45 pm	<input type="checkbox"/> Sludge Disposal <ul style="list-style-type: none"><li>• Methods of application</li><li>• International Standards of Sludge Disposal</li></ul>
4.45pm – 5.30pm	<ul style="list-style-type: none"><li>• Video presentation</li><li>• Discussion</li></ul>