



INTRODUCTION TO SLUDGE TREATMENT AND DISPOSAL

COURSE DESCRIPTION

This course is designed to provide an understanding on treatment, safe handling and disposal of sludge which covers sludge characteristics, the sludge treatment methods, sludge reuse and utilisation, sludge disposal and sludge management.

COURSE OBJECTIVES

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

- The environmental requirements of sludge treatment and disposal
- Sludge characteristics
- The fundamentals of sludge treatment, reuse and disposal
- Safe handling and disposal of sludge

COURSE CONTENT

- Legislation Requirement
- Sources of Sludge
- Types of Sludge
- Sludge Characteristics
- Sludge Production
- Sludge Treatment Methods
 - Pre-treatment
 - Conditioning
 - Thickening
 - Stabilization
 - Dewatering
- Sludge reuse and utilisation
 - Land Reclamation
 - Agricultural Land Improvement
 - Composting
- Ultimate Sludge Disposal
 - Landfill
- Land Requirement For Sludge Treatment & Disposal
 - Land Area Needs
 - Buffer Zone
 - Site Selection Criteria
 - Site Ancillary Works
- Sludge Management Alternatives

DURATION

1 Day

WHO SHOULD ATTEND

Managers, Engineers, Executives, Technical Assistants, Technicians and those involved in the planning, design, management and operation of domestic sludge treatment and disposal facilities.

COURSE FEE

RM550.00 per person

COURSE SCHEDULE

9.00 am – 10.30am	<ul style="list-style-type: none">▪ Legislation Requirement▪ Sources of Sludge▪ Types of Sludge
10.30am – 10.45am	Coffee/Tea Break
10.45am – 12.45pm	<ul style="list-style-type: none">▪ Sludge Characteristics• Sludge Production
12.45pm – 2.00pm	Lunch Break
2.00pm – 3.45pm	<ul style="list-style-type: none">▪ Sludge Treatment Methods▪ Sludge Reuse and Utilisation▪ Ultimate Sludge Disposal
3.45pm - 4.00pm	Coffee/Tea Break
4.00pm – 5.30pm	<ul style="list-style-type: none">▶ Land Requirement▶ Sludge Management Alternatives