

PRELIMINARY & PRIMARY TREATMENT

COURSE DESCRIPTION

The course is aimed to provide an understanding on the theory and design of preliminary and primary treatment units of a sewage treatment plant according to the Department of Sewerage Services (DSS) Guidelines for Developers. Topics include removal of screen, grit and grease; flow equalization; primary treatment; primary sedimentation; chemically assisted settlement and coagulant; sludge and scum collection.

COURSE OBJECTIVES

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

- The theory and the design of preliminary and primary treatment units of a sewage treatment plant according to the Guidelines for Developers - Sewage Treatment Plant produced by Sewerage Services Department, Ministry of Housing and Local Government

COURSE CONTENT

- Preliminary Treatment
- Screen Grit and Grease Removal
- Equalization, Piping and Pre-aeration
- Primary Treatment
- Primary Sedimentation
- Rectangular Sedimentation Tank Design
- Chemically Assisted Settlement, Coagulant
- Sludge and Scum Collection
- Design Charts

DURATION

2 Days

WHO SHOULD ATTEND

Design Engineers, Consultants, Developers, System Suppliers

COURSE FEE

RM850.00 per person

COURSE SCHEDULE

DAY ONE	
9.00am - 10.45am	<input type="checkbox"/> Introduction <input type="checkbox"/> Preliminary Treatment
10.45am - 11.00am	Coffee/Tea Break
11.00am - 12.45pm	<input type="checkbox"/> Screen Grit and Grease Removal <input type="checkbox"/> Equalization, Piping and Pre-aeration
12.45pm - 2.00pm	Lunch Break
2.00pm - 3.45pm	<input type="checkbox"/> Primary Treatment <input type="checkbox"/> Primary Sedimentation
3.45pm - 4.00pm	Coffee/Tea Break
4.00pm - 5.30pm	<input type="checkbox"/> Rectangular Sedimentation Tank Design <input type="checkbox"/> Q&A Session
DAY TWO	
9.00am - 11.00am	<input type="checkbox"/> Site Visit
11.00am - 11.30am	<input type="checkbox"/> Coffee/Tea Break
11.30am - 12.45pm	<input type="checkbox"/> Chemically Assisted Settlement, Coagulant
12.45pm - 2.00pm	<input type="checkbox"/> Lunch Break
2.00pm - 4.30pm	<input type="checkbox"/> Sludge and Scum Collection <input type="checkbox"/> Design Charts <input type="checkbox"/> Assessment
4.30pm	<input type="checkbox"/> Coffee/Tea