



FECAL SLUDGE MANAGEMENT

INTRODUCTION

Fecal Sludge Management (FSM), is a management process that safely collects, transports, and treats septate from pit latrines, septic tanks or other onsite sanitation facilities. In other words, it deals with the mixture of human excreta and water that is collected in certain types of decentralized toilets and sanitation systems, instead of going into centralized Wastewater systems. In many developing countries, however, this service is often not provided at all or not done properly leading to surface water and groundwater pollution, spreading of pathogens into the environment, adverse health impacts and relatively high costs to households.

In Malaysia, FSM is particularly important in rural areas or old slightly densely populated areas where the population is not connected to sewerage network. Before 1994, the FSM was generally carried out as a service by the local authorities and then after 1994, Indah Water Konsortium (IWK) managed this services upon privatisation of the sewerage services from local authorities. Since then, IWK has provided this services for over 80 local authorities' area in the country. IWK has evolved in providing these services with proper procedures, specifications and management systems, and this services is also being accredited under the ISO14001 (Environmental Management System) since 2013.

Indah Water Konsortium Sdn. Bhd. advocates the need to enhance knowledge and skill of staff and practitioners in the sewerage sector locally and at international level. For this, Indah Water has continue to provide FSM training to a wider public and at an international level.

TRAINING STRATEGY

Theory, requirements, specification and hands-on application training, live demonstration as well as real on site simulation could be used to complement and facilitate training and teaching at the Indah Water Training Centre or onsite or offsite. This is made possible by proper plan and wide variety of fecal sludge treatment facilities available in different parts of the country. The treatment systems available also provide theoretical lecture room and an experimental practical trial and safer hands on training activity at mock sewerage facilities. The mock sewerage facilities allow participants to experience the closest-to-real working situation.

FSM CONTENT

The FSM training includes:

- Introduction of sewage and Malaysia historical sanitation journey; which explain the national framework, evolution, policies, issues, successful outcome and lesson learned.
- Laws and legislation that govern sewerage activities in Malaysia, regulator functions and perspective complete with a Q&A session with sewerage regulator if needed.
- Briefing on Operational and Customer Relations Setting and Q&A session
- Demonstration of desludging activity.
- Site visit to small mobile dewatering unit
- Site visit to centralised sludge treatment facility, which treat sludge from desludging tankers.



SERVICES

2 coffee breaks
Lunch
A variety of menu offered
6 rooms
157 person occupancy
Material production
Audio
Visual
Free Wifi
Free parking
Study Tour of Treatment Plant KLR340

Monday to Sunday
Nearby Light Rail Transit (LRT) Bukit Jalil Station
Onsite visits to Sewerage Treatment Plants
Consultation
Study tours
Exploration visits
Mock Up Facilities

TARGET AUDIENCE

Facilitators
Government Agencies
Lecturers
Multi-National Companies
Non-Government Organizations
Private Organization
Trainers

COURSE FEE

3 days training for 10 pax, at **RM3000 per pax**

Course fee includes:

Airport pick-up to hotel and return
F&B during training
Transportation to training site, site visits and return to hotel
Trainers fee
(Exclude Accommodation fee)

Site visit and demo staff fee
Training Facilities Fee
Training Modules fee
Admin and printing fee
6% Government Tax