



# OPERATION AND MAINTENANCE OF SLUDGE DRYING BED

## INTRODUCTION

Dewatering system is categorized into mechanized and non-mechanized category. The mechanized dewatering systems are mainly Filter Press, Centrifuge and Belt Press. The non-mechanized consists of drying beds, trenching and sludge lagoon; they are considered as low technology dewatering system. The operation and maintenance of the non-mechanized, sludge drying beds will be discussed in this module.

## COURSE OBJECTIVES

This course is designed to provide the knowledge on operation and maintenance of sludge drying beds. It will also identify the issues and problems as well as the proper maintenance of sludge drying beds.

## COURSE CONTENTS

- Overview of Sludge Drying Beds
- Components of Sludge Drying Beds
- Operation & Maintenance of Sludge Drying Beds
- Issues of Sludge Drying Beds
- Tools & Equipment
- Health & Safety



## LEARNING OUTCOMES

After completed this module, participants will be able to:

- ✓ Recognize the sludge drying beds components and application as well as understand the operating principles of sludge drying beds
- ✓ Gain an understanding on the common problems with sludge drying beds; its causes and remedy action to be taken
- ✓ Understand and gain knowledge and technical know-how on maintenance of sludge drying beds
- ✓ Recognize the health and safety issues pertaining to maintenance of sludge drying beds

## DURATION

2 days

## WHO SHOULD ATTEND

This course is recommended for non-executive staffs such as technicians, team leader and selected operators (G9-G12)

## METHODOLOGY

The course will be conducted through classroom lecture, discussion and plant visit. Assessment to measure participants understanding will be conducted at the end of the training session.

## COURSE FEE

RM800.00