

Unit 5.1 Operation and Maintenance of FSTPs

1. INTRODUCTION

This Unit corresponds with Chapter 11 of the FSM book. Operation and maintenance of faecal sludge treatment plants requires a number of tasks to be carried out regardless of the size of the plant, and complexity of the technological set-up. This module addresses the operation and maintenance planning processes as well as the specific components of the O&M plan. It references the procedures and tasks that are common to all FSTP facilities, as well as considerations for technology specific tasks.

The Chapter was prepared by Magalie Bassan of EAWAG-Swiss Federal Institute of Aquatic Science and Technology and David M. Robbins. The key note speech of this Unit is prepared by David M. Robbins, an independent consultant.

2. LEARNING OBJECTIVES

The learning objectives for Unit 5.1 Assessment of the Initial Situation are to:

- Understand the importance and role of operations and maintenance for faecal sludge treatment plants.
- Understand critical operations and maintenance factors to include starting with the design and planning phases.
- Be able to design an effective monitoring and operation and maintenance plan to ensure treatment performance.
- Understand the role of administrative management in the long-term operation of faecal sludge treatment plants.

3. THINGS TO DO; PLACES TO GO

In order to complete this Unit successfully, please do the following:

- Watch the key note speech of Unit 5.1
- Go through the PowerPoint presentation of Unit 5.1
- Read Chapter 11 of the FSM book
- Check the Course page for any recommended reading materials or web pages
- Check the assignment list