



LET'S TRAIN PROFESSIONALS BETTER!

Operation & Maintenance for wastewater treatment

TARGET GROUP ENTRY LEVEL

Process controllers

Vocational education in combination with the certificates of the courses Basics of Wastewater Treatment, Wastewater Treatment Techniques and Wastewater Sludge Management

DURATION PARTICIPANTS TRAINERS

3 days

16

Dutch and/or South African experts, certified by AquaDactics

INTRODUCTION

The treatment of wastewater is a complex process involving various process steps. Each process step can be subject to specific problems and issues which can lead to disruption of the water purification. Sound operation & maintenance procedures support the continuity of the process. Good troubleshooting will lead to early warning when problems occur and emergencies can be prevented. Process controllers are the key players when it comes down to operation & maintenance and troubleshooting.

This course focuses on the responsibilities, roles and tasks of the process controller under normal conditions and in emergency situations. You learn about the differences between normal operation & maintenance and troubleshooting. Organisation, procedures and the performance of the process controller are explained. The course includes data collection and recording for quality control. Sampling, logs, LIMS and ICT are discussed and demonstrated.

You will learn about the importance of good operation & maintenance and troubleshooting at the wastewater treatment plant.

CONTENT

The course covers the following topics:

- Role of process controller
- Trouble shooting
- System thinking
- Quality, safety, health and environment
- Data recording and management
- Relevant legislations and permits

OUTCOME

After successfully completing this course you understand the importance of good operation & maintenance and troubleshooting at the wastewater treatment plant. You can perform operation, maintenance and troubleshooting tasks along the lines of the system thinking philosophy.

COURSE MATERIAL

Course book and presentation hand-outs

INFORMATION

This course includes a field trip to a wastewater treatment plant, demonstrations and case studies.



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This course is the last of four modules of the overall course Wastewater Treatment for Process Controllers. A diploma will be awarded after successfully completing the four modules and the final exam.