

OPERATION AND MAINTENANCE FOR WASTEWATER TREATMENT

Information

<i>Target group:</i>	Process controllers
<i>Entry level:</i>	Vocational level
<i>Entry level description:</i>	vocational education and having the certificate of the courses Basics of Wastewater Treatment, Wastewater Treatment Techniques and Wastewater Sludge Management
<i>Duration:</i>	3 days

Learning targets

The treatment of wastewater is a complex process with various process steps. Many situations can occur which can lead to disruption of the process. Good operation & maintenance procedures influence the continuity of the process. A well-working troubleshooting will lead to early warning with problems or even emergency situations, so that measures can be taken at an early stage. Process controller play a key role in both operation & Maintenance and troubleshooting.

The course focus on the responsibilities, roles and tasks of the process controller in normal conditions and in emergency situations. The differences between normal operation & maintenance and troubleshooting are discussed. The organisation and procedures are put central and the behaviour of the process controller is discussed. The course includes the data collection and recording for a good quality. Sampling, logs, LIMS and ICT are discussed and demonstrated.

The participants become aware of the importance of good operation & maintenance and troubleshooting at the wastewater treatment plant.

Content

The course exists of the following topics:

- Operation & Maintenance
- Organisation structure and procedures
- Role of Process controller
- Trouble shooting
- System thinking
- Quality, safety, health and environment
- Data recording and management
- Relevant legislations and permits

Course material

Course book and hand-outs of the presentations

Extra

This course includes field visits to a wastewater treatment plant, demonstrations and cases.

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