



LET'S TRAIN PROFESSIONALS BETTER!

Wastewater Treatment Techniques

TARGET GROUP	Process controllers
ENTRY LEVEL	Vocational education in combination with the certificate of the course Basics of Wastewater Treatment
DURATION	3 days
PARTICIPANTS	16
TRAINERS	Dutch and/or South African experts, certified by AquaDactics
INTRODUCTION	<p>The treatment of wastewater is a complex process involving different process steps. Operators play a key role in the treatment of wastewater. Their decisions and actions have a major influence on the final treatment results.</p> <p>In this course a short overview of the water and wastewater cycle and the different process steps is given. Mechanical, chemical, physical and biological treatment steps are discussed in detail. The nitrogen cycle is introduced and the performance of a plant in relation to nitrate and phosphate removal under different circumstances is explained. Additionally relevant regulations and legislations are taught.</p>
CONTENT	<p>The course covers the following topics:</p> <ul style="list-style-type: none"> • Mechanical separation techniques • Chemical and physical treatment • Biological treatment techniques • The removal of nitrates & phosphates • The removal of phosphates • Relevant legislations and regulations
OUTCOME	After successfully completing this course, you understand how your activities in different treatment steps and under different circumstances affect the performance of the wastewater treatment plant.
COURSE MATERIAL	Course book and presentation hand-outs
TRAINING APPROACH	In addition to classroom presentations this course comprises interactive and innovative training methods, such as group work, discussions, practical exercises, demonstrations, presentations and role-plays. The training methods are tailored to the objectives of the training.
EXTRA	<p>This course includes a field trip to a wastewater treatment plant. This course is one of four modules of the overall course Wastewater Treatment for Process Controllers. After successfully completing the four modules, the participant will be awarded a diploma.</p>