



## LET'S TRAIN PROFESSIONALS BETTER!

# Wastewater Sludge Management

<b>TARGET GROUP</b>	Process controllers
<b>ENTRY LEVEL</b>	Vocational education in combination with the certificates of courses Basics of Wastewater Treatment and Wastewater Treatment Techniques
<b>DURATION</b>	2 days
<b>PARTICIPANTS</b>	16
<b>TRAINERS</b>	Dutch and/or South African experts, certified by AquaDactics
<b>INTRODUCTION</b>	<p>The treatment of wastewater is a complex process involving different process steps. An important activity on a wastewater treatment plant is sludge handling. A large amount of sludge is produced and sludge handling is a major cost factor in wastewater treatment.</p> <p>This course focuses on sludge. Sludge handling techniques including digestion, dewatering, thickening and drying are discussed in detail. You will learn about operational aspects, troubleshooting of sludge handling and the current methods of sludge disposal. Sustainable ways of using sludge and regarding it as a resource rather than waste are introduced.</p>
<b>CONTENT</b>	<p>The course covers the following topics:</p> <ul style="list-style-type: none"><li>• Introduction to sludge</li><li>• Thickening and digestion</li><li>• Dewatering</li><li>• Sludge disposal and reuse</li><li>• Trouble shooting</li><li>• Relevant legislations and regulations</li></ul>
<b>OUTCOME</b>	After successfully completing this course you will understand how your activities in handling sludge link to the efficient performance of the wastewater treatment plant.
<b>COURSE MATERIAL</b>	Course book and presentation hand-outs
<b>TRAINING APPROACH</b>	In addition to classroom presentations this course comprises interactive and innovative training methods, such as group work, discussions, practical exercises, demonstrations and role-plays. The training methods are tailored to the objectives of the training.
<b>EXTRA</b>	This course includes a field trip to a wastewater treatment plant. This course is one of the four modules of the overall course Wastewater Treatment for Process Controllers. After successfully completing the four modules, the participant will be awarded a diploma.