



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Environmental Best Practices For Wastewater Management Training

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 115893 · NQF Level 4 · 7 Credits · 4 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to implement environmental best practices in wastewater management. It focuses on understanding wastewater treatment processes, regulatory compliance, and sustainable practices to minimize environmental impact. Participants will learn to monitor and improve wastewater quality in line with South African standards.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	115893
Accreditation	SAQA Accredited · NQF Level 4 · 7 Credits
Duration	4 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply the principles of wastewater treatment and management to ensure compliance with environmental regulations.
- Analyze wastewater quality parameters and interpret results to identify potential environmental risks.
- Evaluate the effectiveness of existing wastewater management practices and recommend improvements.
- Design a monitoring plan for wastewater discharge that meets legal and environmental standards.
- Implement corrective actions to address non-compliance in wastewater treatment processes.
- Demonstrate the use of sustainable practices to reduce the environmental footprint of wastewater operations.

WHO SHOULD ATTEND

- This course is designed for environmental officers, wastewater treatment plant operators, engineers, and professionals responsible for managing wastewater systems in municipal, industrial, or mining settings.

COURSE OUTLINE

Day 1: Introduction to Wastewater Management and Environmental Best Practices

- Overview of wastewater sources and types.
- Environmental consequences of poor wastewater management.
- Introduction to environmental best practices.
- South African regulatory framework: National Water Act, Water Services Act, and SAQA unit standards.
- Roles and responsibilities of wastewater management stakeholders.
- Case studies of wastewater management successes and failures.

Day 2: Wastewater Treatment Processes and Technologies

- Physical, chemical, and biological treatment processes.
- Activated sludge, trickling filters, and lagoons.
- Constructed wetlands and other green technologies.
- Energy efficiency and resource recovery in treatment plants.
- Sludge management and disposal best practices.
- Monitoring and control of treatment processes.

Day 3: Pollution Prevention and Minimisation Strategies

- Pollution prevention hierarchy: reduce, reuse, recycle, recover.
- Water conservation and demand management.
- Industrial wastewater pretreatment requirements.
- Cleaner production and waste minimisation in industries.
- Stormwater management and infiltration/inflow control.
- Spill prevention and emergency response planning.

Day 4: Integration, Auditing, and Continuous Improvement

- Environmental management systems (ISO 14001) for wastewater.
- Conducting environmental audits and gap analysis.
- Key performance indicators for wastewater management.
- Reporting and documentation requirements.
- Training and awareness programmes.
- Developing a wastewater management improvement plan.
- Case studies and group exercise: implementing best practices.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **7 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 20,500.00	R 20,500.00
1	In-House	R 26,600.00	R 26,600.00
1	On-Campus (Pretoria)	R 30,800.00	R 30,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	13 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
10 Aug 2026	13 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	13 Aug 2026	On-Campus	Mauritius
18 Aug 2026	21 Aug 2026	On-Campus	Dubai, UAE
18 Aug 2026	21 Aug 2026	On-Campus	Pretoria, South Africa

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

- 1. Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 115893) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
- 2. Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
- 3. Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
- 4. Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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