



AHL  **WATER**
SUSTAINABLE MANAGEMENT IS A REALITY

WATER AND WASTEWATER CONSULTING SERVICES

www.ahlwater.co.za

ABOUT AHL WATER

Founded in December 2016, AHL Water (Pty) Ltd is a registered private company (2016/499899/07) with 100% black female ownership (Level 1B-BEE). The company is headed by Ayesha Laher, a professional scientist with 13 years' experience in water and wastewater treatment. Backed by our experience, expertise and Integrity, we aim to provide holistic water services solutions to commercial, government and private clients throughout Southern Africa.

OUR CORE VALUES

Integrity = We mean what we say and say what we mean

Excellence = We strive to get better, smarter and more innovative in what we are doing.

WHY AHL WATER

◇ Holistic Approach

Unlike other consultancies who only focus on infrastructure, we offer holistic water services solutions focusing on design, operations, maintenance and management of water supply systems as per Capable Plant Model of the American Water Works Association to ensure sustainable operations.



ABOUT AHL WATER

- ◇ We adopt a systematic approach rooted in **Risk-management** principles

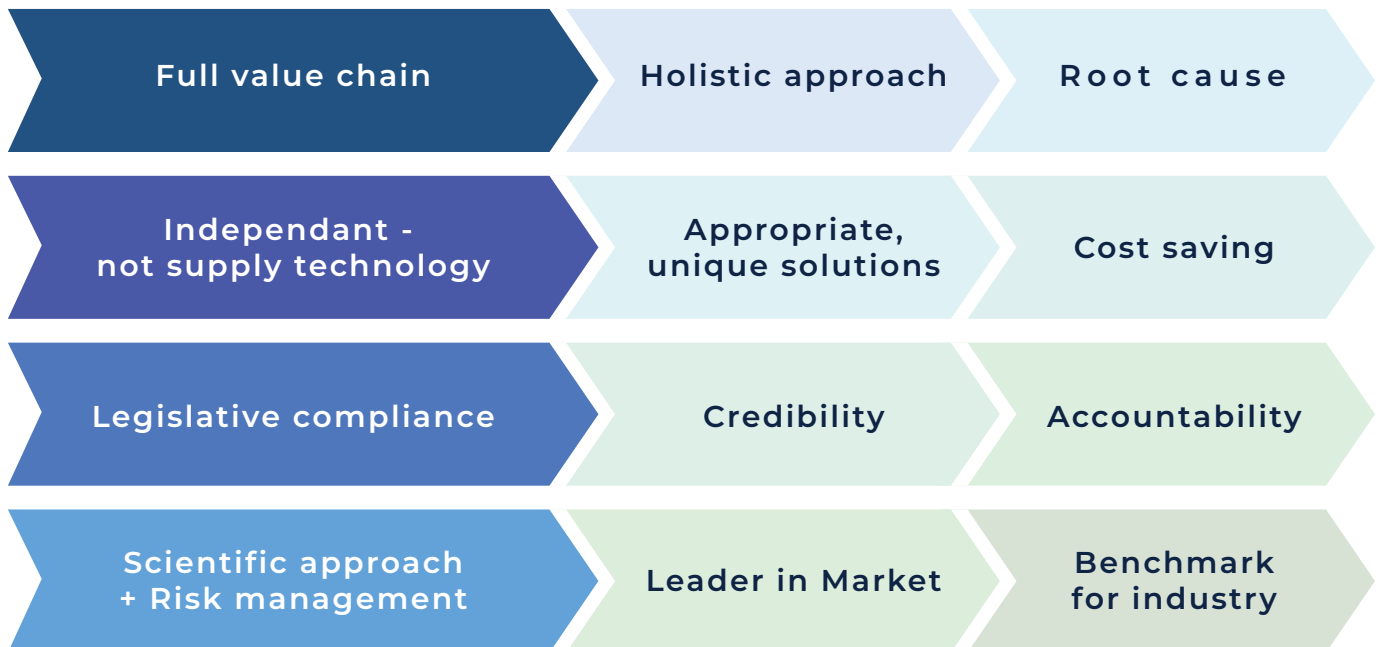
This is aligned with:

- ◆ Water Safety Planning concept of the World Health Organisation
- ◆ Legislative requirements outlined in the Blue, Green, and No Drop Certification program of the Department of Water and Sanitation,
- ◆ Norms and standards (SANS 241).

The aim is to identify, mitigate and manage risk throughout the supply system leading to sustainable operations and production of water/effluent that is compliant with relevant licenses, norms and standards.

- ◇ **As we do not supply/endorse technology or products**, our solutions are unbiased and appropriate; based on the client's unique requirements (core business, operational model, budget).
- ◇ Solutions are based on scientific proof, incorporating local and international best practise principles.

BENEFITS OF OUR APPROACH





DIRECTOR'S PROFILE

Ayesha Hamid Laher

BSc (Biological Sciences, University of South Africa)
MSc (Water), University of North West (Potchefstroom)
PR Nat Sci

Ayesha is a professionally registered environmental scientist in the water stream. She has 13 years' experience in all aspects of water and wastewater treatment: treatment technologies, design, operation, maintenance, and management of water and wastewater supply system.

Her participation in various policy and planning projects including the development of the Second National Water Resources Strategy has contributed to understanding of policy, legislation, water resource planning and institutional requirements for management of the value chain of water.

As a Lead Inspector for the Blue, Green and No Drop Certifications programs of the Department of Water and Sanitation, she has sound knowledge of best practise principles for operation and management of water and wastewater treatment systems with emphasis on risk-based procedures embodied in the Water Safety planning concept, risk-based monitoring programs and Incident Management.

Ayesha has contributed to several WRC publications including the Wastewater Risk Abatement Planning guideline document and presented papers on Water Safety plans, Process Audits and risk-based monitoring programs.

She has developed leadership, management and financial skills in her position as Hub-Sector Lead of the Water Systems division of AECOM for two years and is currently the sole director of AHL Water.

Ayesha is passionate about capacity building through mentorship and addressing issues of diversity and inclusion in the industry. She is an active member of WISA, has large network of associates in the water industry and is committed to improving water services delivery.

SCOPE OF SERVICES

- ◇ Risk management of treatment plants to ensure legal compliance (SANS 241/License/ WHO): risk assessment, implementation plan, risk-based monitoring program and Incident management Protocol.
- ◇ Process audits of treatment plants to evaluate performance against design.
- ◇ Legal compliance audits of treatment plants: legislation, design, operations, management, reporting, cost.
- ◇ Containerised water and sanitation solutions (schools, hospitals, mines, commercial properties).
- ◇ Blue, Green and No Drop audits with implementation plans.
- ◇ Feasibility studies for augmentation of water supply: borehole, rainwater, reuse and recycle (grey, black, process water).
- ◇ Operational support for water/wastewater treatment plants: Operational models, O&M manuals, monitoring programs, asset management, staff classification, training.
- ◇ Research: Ozone lab testing, review of treatment technologies.
- ◇ Other: WSDP Review, Water Services Master plans, Reconciliation Strategies, Implementation Readiness Studies (IRS), Section 78 Water Services, Industrial effluent monitoring plans, sludge management plans, review of bylaws.



green drop
CERTIFICATION
waste water service
REGULATION



blue drop
CERTIFICATION
drinking water quality
REGULATION

**COMPLIANCE
RULES
GUIDELINES
REGULATIONS
LAWS**



EXPERIENCE & VALUABLE CLIENTS



ERWAT: Green Drop Audits of 19 Wastewater treatment plants.



NETCARE: Review of Desalination plant for legal compliance.



MURRAY AND ROBERTS WATER: Feasibility and operational support for containerised treatment plants.



BIDVEST SA WATER/IMPROCHEM: Laboratory Testing for destruction of cyanide with ozone.

OTHER CLIENTS:



public works
Department:
Public Works
REPUBLIC OF SOUTH AFRICA



sembcorp
silulumanzi



GlaxoSmithKline



water & sanitation
Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

OUR MISSION

To empower water services institutions with required skills, procedures and systems to effectively operate, maintain and manage water and wastewater treatment plants through adoption of risk-based management principles and legislative requirements.



AHL WATER

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