

CIRCULAR SOLUTIONS. INFINITE POSSIBILITIES.

STATE-OF-THE-ART EFFLUENT TREATMENT PLANT

ADVANCING OUR VISION FOR A SUSTAINABLE FUTURE.

INTERWASTE

A proud  *Séché environnement* company

[Interwaste.co.za](https://interwaste.co.za)

**DRIVEN BY A
COMMITMENT TO
CIRCULAR ECONOMY
PRINCIPLES AND
LEGISLATIVE
COMPLIANCE,
INTERWASTE'S ETP
REPRESENTS A PIVOTAL
MILESTONE IN OUR
JOURNEY TOWARDS A
GREENER, MORE
SUSTAINABLE FUTURE.**

At Interwaste, we're committed to pioneering sustainable solutions for a greener tomorrow. Our Effluent Treatment Plant (ETP) represents a significant milestone in this journey. Designed to address the pressing challenges of water scarcity and pollution, our ETP stands as a beacon of environmental stewardship.

Interwaste has invested significant resources into the development and implementation of our state-of-the-art Effluent Treatment Plant (ETP). With growing concerns over environmental sustainability and legislative mandates requiring responsible waste management practices, our ETP emerges as a solution tailored to meet these demands.





Through cutting-edge technology and meticulous planning, we've created a facility that not only treats liquid waste efficiently but also minimizes environmental impact and maximizes resource recovery.

By treating a diverse range of liquid waste types, including leachate, our plant plays a pivotal role in preserving precious water resources and safeguarding the environment. With a capacity to treat over 43,000 cubic meters per year, the ETP represents a scalable solution to the growing problem of liquid waste management. Its contribution to resource conservation and environmental protection cannot be overstated.

**ENGINEERED
ENVIRONMENTAL
EXCELLENCE.**

Circular Solution

In today's world, where water scarcity and pollution pose significant threats to our ecosystems, the value of our Effluent Treatment Plant (ETP) cannot be overstated. By recovering an impressive 80 - 90% of clean water for reuse, the plant plays a crucial role in alleviating pressure on freshwater sources and ensuring the sustainable management of water resources. This commitment to resource conservation and environmental stewardship lies at the heart of our operations.

The ETP embodies our unwavering commitment to environmental responsibility. By adhering to stringent legal regulations and compliance standards, the plant ensures that liquid waste is managed safely and responsibly, thereby mitigating potential harm to the environment and surrounding communities. Our adherence to these standards not only safeguards the integrity of our ecosystems but also reinforces our dedication to the well-being of our stakeholders and the broader community.

Critical Contributions

- Circular solution achieving 80-90% recovery of clean water for re-use placing less burden on fresh water sources and preventing environmental contamination
- Increased social welfare by promoting cleaner environments and safe guarding water resources for communities
- High levels of safety and compliance including alignment to legislative ban of liquid waste to landfill disposal
- Economically sustainable by circular design and efficient use of resources
- Leading solution creating new skills and employment opportunities

From environmental conservation to cost savings, the ETP offers a comprehensive solution to the challenges of liquid waste management. By embracing sustainability and investing in innovative technologies, we not only protect our environment but also reap the rewards of a greener future. Join us in our mission to redefine waste management practices and create a sustainable legacy for generations to come.





As part of the Séché Group, a global leader in waste management, Interwaste is committed to upholding the highest standards of environmental responsibility.

Through continued innovation and collaboration, we strive to expand our portfolio of sustainable solutions and address emerging challenges in waste management. Our commitment to sustainability is unwavering, and our dedication to creating a greener future remains steadfast.

A GLOBAL APPROACH

Interwaste's partnership with the Séché Group underscores our commitment to environmental stewardship and sustainable development. Together, we're leveraging our collective expertise and resources to drive positive change and shape the future of waste management.

Through ongoing research, development, and investment, we're dedicated to finding innovative solutions that balance environmental protection with economic growth and social progress.

THE EFFLUENT TREATMENT PROCESS

Incoming Waste

Other Liquid
Waste

Landfill
Lechate

Analysis

Pre-Treatment

Clarification

Solids

Filter
Press

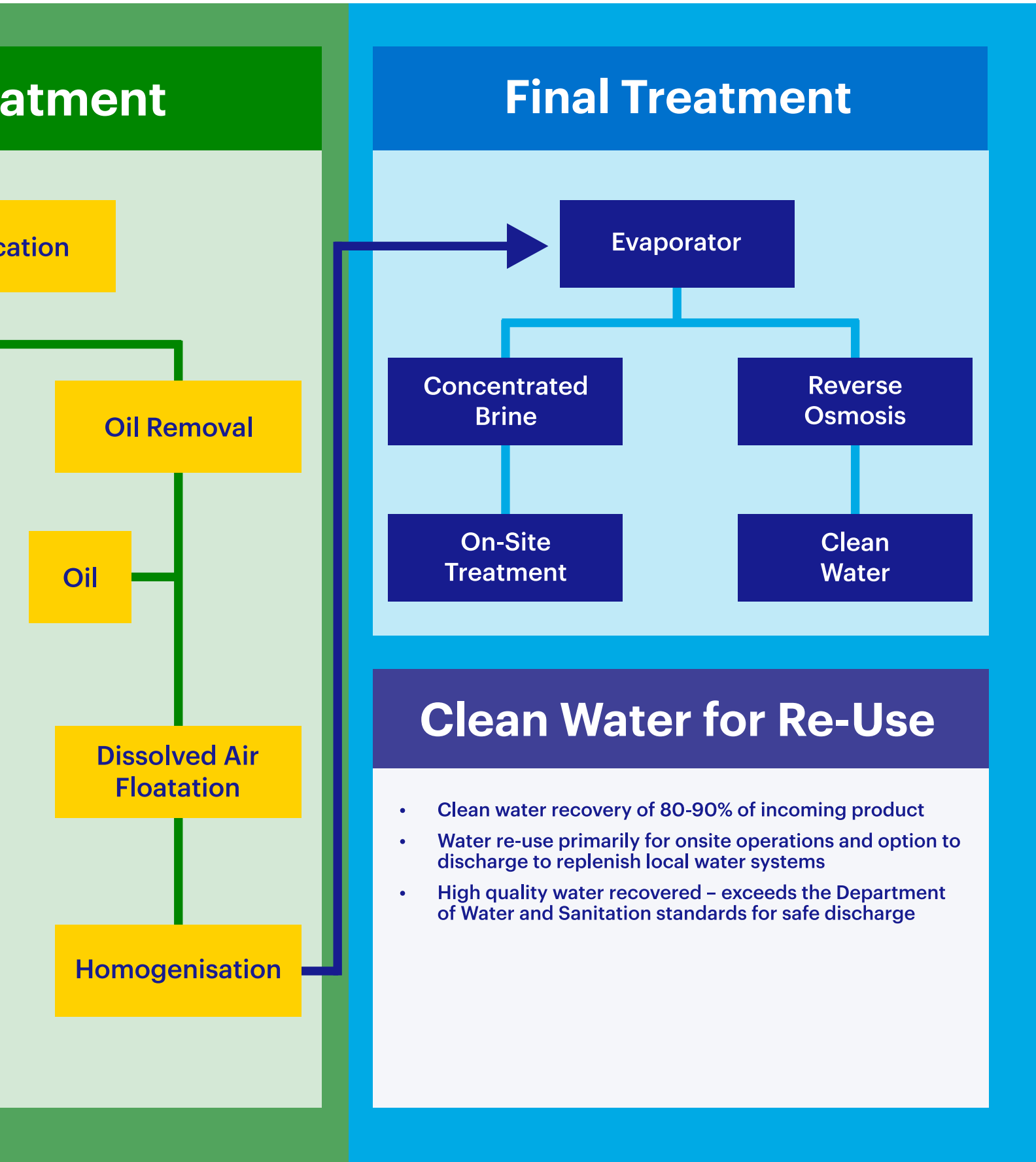
On-site
Treatment

Process Benefits

The ETP was specifically designed prioritising sustainability and local context. It offers invaluable benefits, particularly as South Africa is ranked amongst the top 20 most water-scarce countries globally. Some of the key environmental, social and economic benefits include:

- Circular solution achieving 80-90% recovery of clean water for re-use placing less burden on fresh water sources and preventing environmental contamination
- Increased social welfare by promoting cleaner environments and safe guarding water resources for communities
- High levels of safety and compliance including alignment to legislative ban of liquid waste to landfill disposal
- Economically sustainable by circular design and efficient use of resources
- Leading solution creating new skills and employment opportunities

Our state-of-the-art facility boasts an impressive clean water recovery rate of 80-90% from incoming liquid waste streams, exceeding industry benchmarks. The recovered water undergoes rigorous treatment and polishing to meet and surpass the stringent standards set by the Department of Water and Sanitation for safe discharge, offering a viable solution for replenishing local water systems. With a focus on water re-use primarily for onsite operations, our process embodies our commitment to maximizing resource efficiency and minimizing environmental impact.



DEFINING LAND AND LIFE

Experience the future of liquid waste management with Interwaste's State-of-the-Art Leachate and Effluent Treatment Plant.

Explore our innovative technology, engineered for environmental excellence, and join us in redefining waste management for a sustainable future.

INTERWASTE
HOLDINGS

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[Interwaste.co.za](https://www.interwaste.co.za)

The Interwaste Holdings Group
Holistic waste management solutions since 1989