

WUL Application: Clover Dairies, Queensburgh, Durban, Kwa-Zulu Natal Province (WULA Ref: WU45935)

Tuesday 10 February 2026

16.00

Queensburgh Community Hall



Draft Agenda

Welcome & Introductions

Purpose and Format, Rules of engagement

Acceptance of Draft Agenda

Overview of Application

Overview of Reports and Studies

Discussions

Contact Details

Closure

Welcome & Introductions

- ▶ Please sign the attendance register
- ▶ Apologies
 - ▶ Written apologies received
 - ▶ Verbal apologies

Purpose (scope) and Format of Meeting

- ▶ Water Use Licence Application for Clover Dairies
- ▶ Public Participation process 15 January 2026 – 16 March 2026
- ▶ Commenting period
- ▶ Public meetings

Engagement courtesies & housekeeping

- ▶ Respect all attendees, and allow everyone to voice their views / comments / questions
- ▶ Raise your hand when you have a comment / question
- ▶ State your name, organisation & position clearly for record keeping purposes
- ▶ Please keep phones on silent
- ▶ Translations: isiZulu (available if required)
- ▶ Commenting period :
 - ▶ 15 January 2026 – 16 March 2026
 - ▶ email: rose@phelamanga.co.za
 - ▶ Tel / Cell / WhatsApp: 071 591 5157
 - ▶ Post: 85 River Goose Estate, 16 Fyvie Rd, Howick, 3209
 - ▶ E-mail: rose@phelamanga.co.za
- ▶ **Written comment must reach Rose Own by 16 March 2026**

“No Frogging, No Hogging, No Bogging”



Water Use License Application (WULA) Clover S.A. (Pty) Ltd

Busisa Ntshangase

Date 10/02/2024



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Project Background

Durban is currently facing a water supply crisis:

Less water for community and industry

Clover understands this crisis and aims to:

Attempt to reduce the stress on the municipal supply system

Ensure continual water supply critical to manufacturing processes

Water Use License Application:

In light of above, Clover is submitting a WULA to DWS:



Durban's water woes will take years to fix

[Wendy Jasson Da Costa](#) | Published 1 year ago

[f](#) [X](#) [in](#) [wa](#) [p](#) [e](#) [6min](#)



Northdene residents demand action amid ongoing water crisis

[Siphesihle Buthelezi](#) | Published 1 year ago

[f](#) [X](#) [in](#) [wa](#) [p](#) [e](#) [3min](#)



Durban's water crisis: Communities demand action amid soaring distribution losses

[Zainul Dawood](#) | Published 8 months ago

[f](#) [X](#) [in](#) [wa](#) [p](#) [e](#) [2min](#)



Project Background

Clover's Role and Purpose of the Water Use

Operations & presence

Clover S.A. (Pty) Ltd operates the Queensburgh facility (100 Richmond Road), processing ~63% of Clover's total raw milk intake

Core business requirement

Water is essential for the manufacturing and packaging of dairy and beverage products supplied nationally

Operational continuity

Water supply is critical to ensure uninterrupted production, especially during municipal water curtailment, protecting the full value chain



Project Background

Clover Socio-Economic Contributions

Employment

Direct employment for 800+ people

Value chain support

Sustains livelihoods of dairy farmers, transporters, and packaging suppliers

Economic contribution

Significant input through procurement, wages, and tax revenue

Economic resilience

Supports stability in the agro-processing sector, a key growth industry

Community and Social Benefits

Over 11 000 people upskilled and 142 self-help projects established
Ongoing CSI programmes, enabled by stable operations



Specialist Studies



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List of Technical Studies

Purpose

- ☐ Aquatic Assessment
- ☐ Wetland Assessment
- ☐ Hydrological Assessment
- ☐ Conceptual Weir Design
- ☐ Hydrogeological Study
- ☐ Method Statement
- ☐ Environmental Management Programme (EMPr)



Aquatic Assessment

Purpose

Establish baseline condition

To determine the ecological state and sensitivity of the uMhlathuzana River prior to the granting of the WUL

Assess habitat condition

To evaluate the condition of instream and riparian habitats near the Clover facility.

Confirm compatibility

To assess risk and compatibility of the proposed abstraction with current river health.

CLOVER SA (PTY) LTD WULA
AMENDED AQUATIC ASSESSMENT

JULY 2025



GT1396

JULY 2025



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Environment and Engineering

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Aquatic Assessment

Key Findings

Ecological condition

The river reach is considered modified, mainly due to upstream sewage effluent and local disturbances such as sand mining

Overall sensitivity

The aquatic system is rated as moderately sensitive. Field-based assessments confirmed existing degradation and a low likelihood of pollution-sensitive species

Sensitive habitats:

No highly sensitive or irreplaceable aquatic habitats were identified. The riparian corridor is heavily modified, with erosion and invasive alien plant infestation

Compatibility

The proposed water use is compatible with river health, provided mitigation measures are implemented and the abstraction weir allows base flows to pass, protecting downstream conditions



Wetland Assessment

Purpose

Confirm wetland presence

To identify and delineate any wetlands within 500 m of the proposed sites

Check hydrological linkages

To confirm whether any wetlands are connected to project activities

Clarify regulatory requirements

To determine whether wetland legislation or additional assessments are triggered



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Wetland Assessment

Key Findings

No wetlands identified within the 500 m DWS regulated radius

No hydrological link between the project and any wetland system

Existing riparian channels are modified by urbanisation and upstream impacts

Observed features do not meet the legal definition of protected watercourses

No wetland-related authorisations triggered; project considered compatible



Environmental Assurance Summary

Aquatic and wetland studies were undertaken independently by GroundTruth

Environmental acceptability

With recommended mitigation measures in place, **no unacceptable environmental impacts** are expected. Post-mitigation risks are rated **low significance**.

Balancing protection and benefit

The proposed water use protects the water resource while enabling significant public and socio-economic benefits.

~80% of abstracted water will be returned to the river via the Wastewater Treatment Works, maintaining downstream base flows.

Reduced reliance on municipal supply will free up water for community use by eThekweni Municipality.

Supports operational continuity of a nationally important facility that contributes to food security



Hydrological Assessment

Purpose

Support for WULA Compliance

Assessed the hydrological setting of the Clover Queensburgh facility, including climate, rainfall, and drainage patterns.

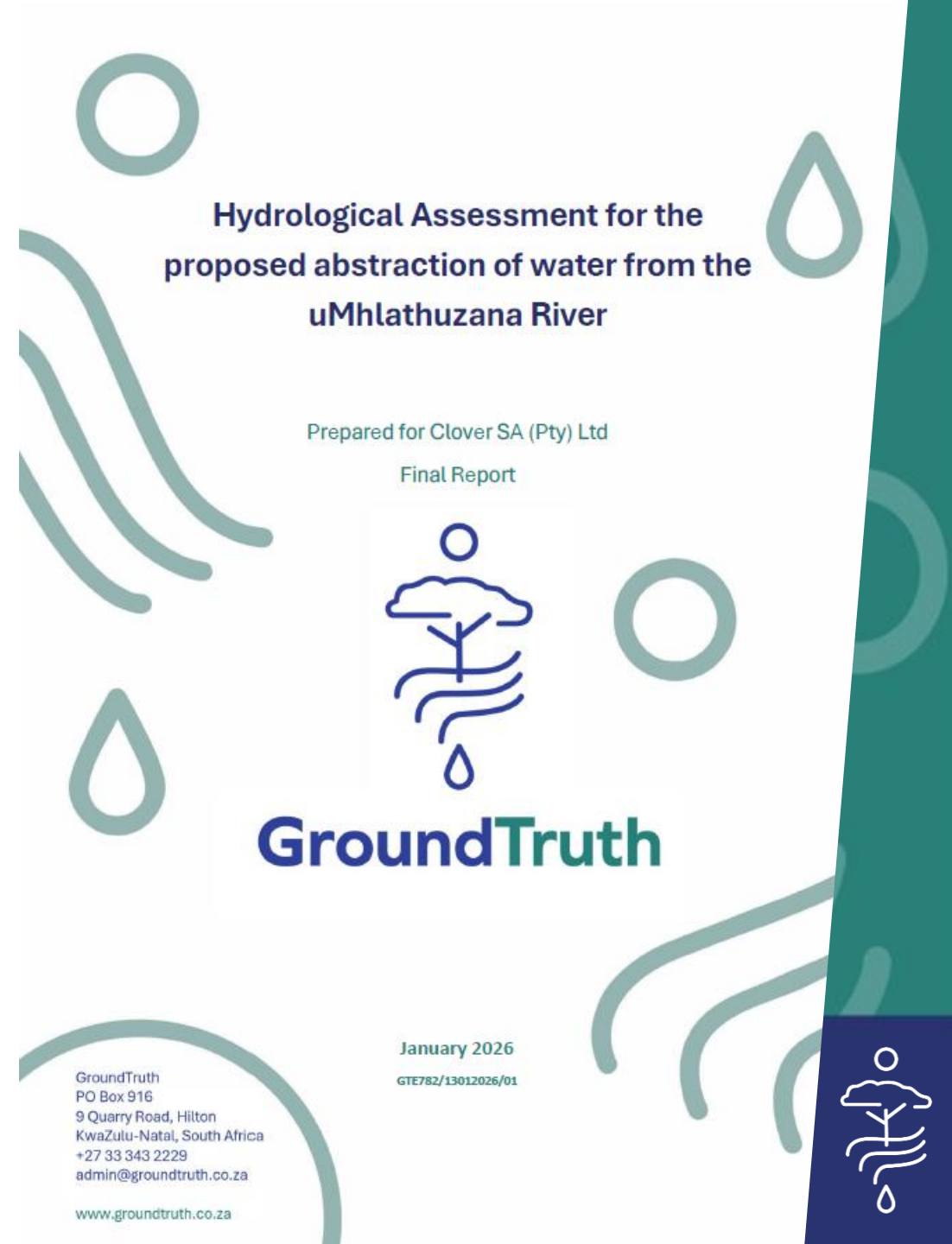
Geographic & Operational Focus

Focused on the uMhlathuzana River and contributing subcatchments near the proposed abstraction weir and processing plant.

Assess Impact

Assess the likely alterations to the mass balance of water for the site in light of the proposed abstraction weir.

Assess flooding risk in different rainfall scenarios



Hydrological Assessment

Key Findings

Water Balance

Confirms that the proposed abstraction can meet water requirements from the Clover processing plant

~80% of abstracted water will be returned to the river via the Wastewater Treatment Works, maintaining downstream base flows.

Safety & Flood Protection

The proposed weir will not cause back flooding or inundate neighbouring properties, even in 1:100-year floods.

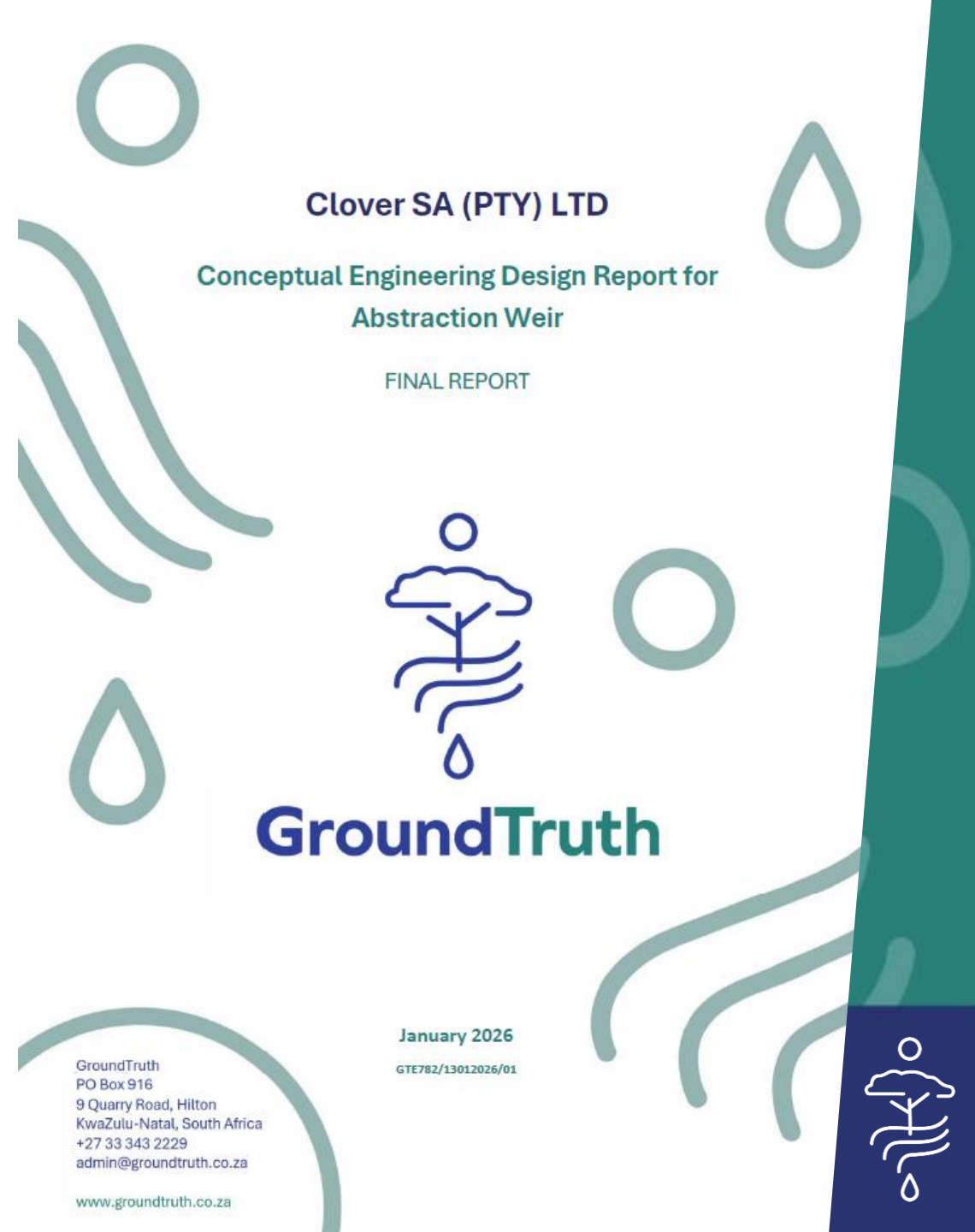


Conceptual Weir Design

Purpose

Regulatory compliance

Conceptual engineering design forms part of the WULA submission to conceptually demonstrate technical feasibility and environmental responsibility.



Clover SA (PTY) LTD

Conceptual Engineering Design Report for
Abstraction Weir

FINAL REPORT

GroundTruth

January 2026

GTE782/13012026/01

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Conceptual Weir Design

Key Considerations

Structure type

Concrete mass gravity weir selected for structural stability and durability
1 m spillway height ensures normal base flows and floods pass downstream
Designed in line with best practice

Flood resilience

Designed to safely accommodate peak flood events without causing back flooding or property inundation.

Erosion & sediment control

Downstream apron and stone pitching prevent scouring while supporting natural sediment movement

Final Design Phase

Current design is conceptual. Final design phase will address ecological and environmental concerns.



Hydrogeological Study

Purpose

Regulatory support

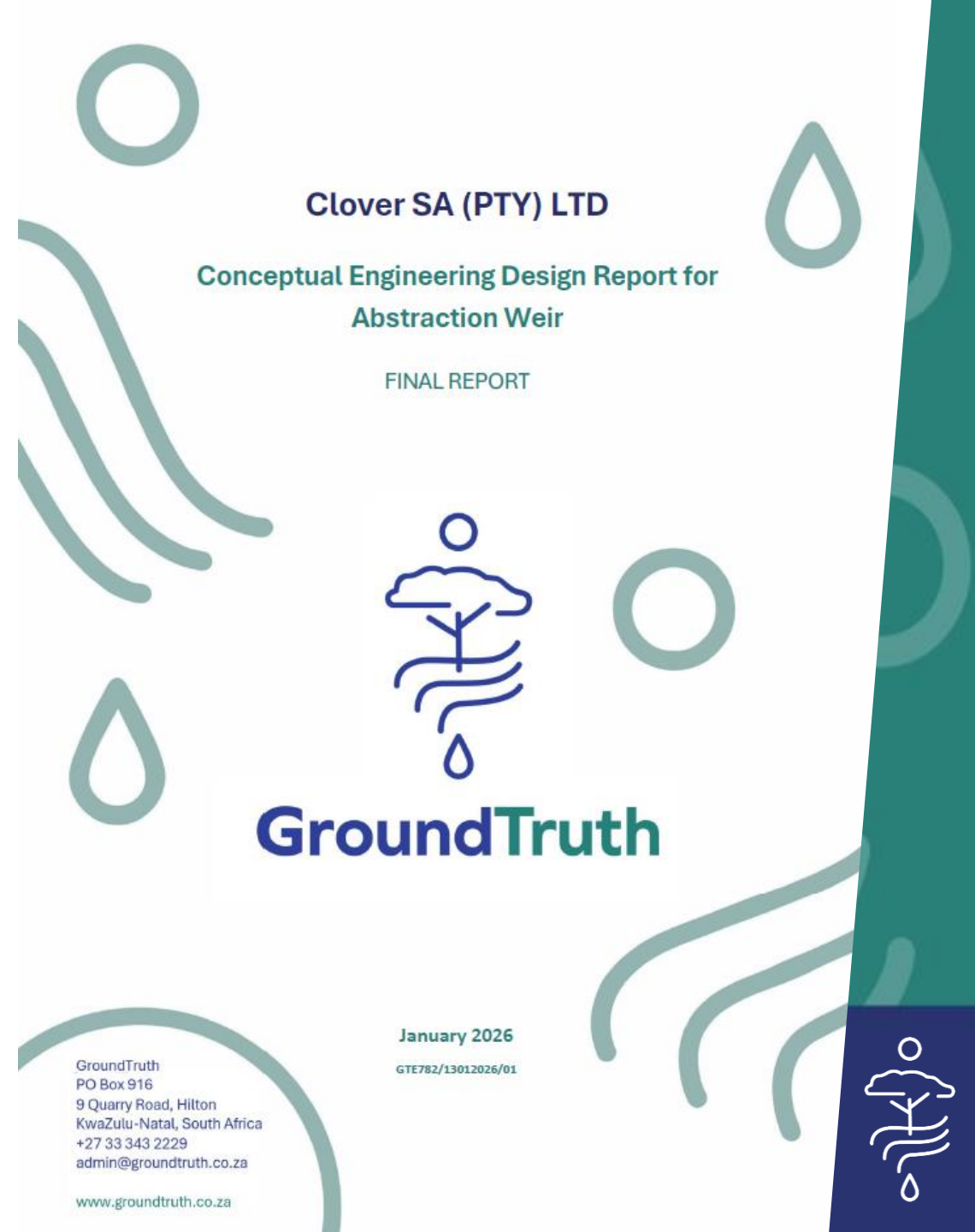
Independent study by SRK Consulting to support the groundwater abstraction exploration by Clover

Site focus

Assessed the aquifer beneath the Clover property, including three new boreholes

Assess sustainability

Evaluated groundwater availability, quality, and potential interaction with the uMhlathuzana River to ensure responsible abstraction



Clover SA (PTY) LTD

Conceptual Engineering Design Report for
Abstraction Weir

FINAL REPORT



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Hydrogeological Study

Key Findings

Supply

Groundwater supply was not enough to supplement the requirements of the facility hence the application for surface water abstraction



Method Statement

Purpose

Operational Framework

Provides a structured plan for the abstraction, treatment, use, and discharge of water from the uMhlathuzana River

Controlled Implementation

Ensures all stages of the water cycle at the Queensburgh facility are managed responsibly to prevent environmental degradation while maintaining operational continuity

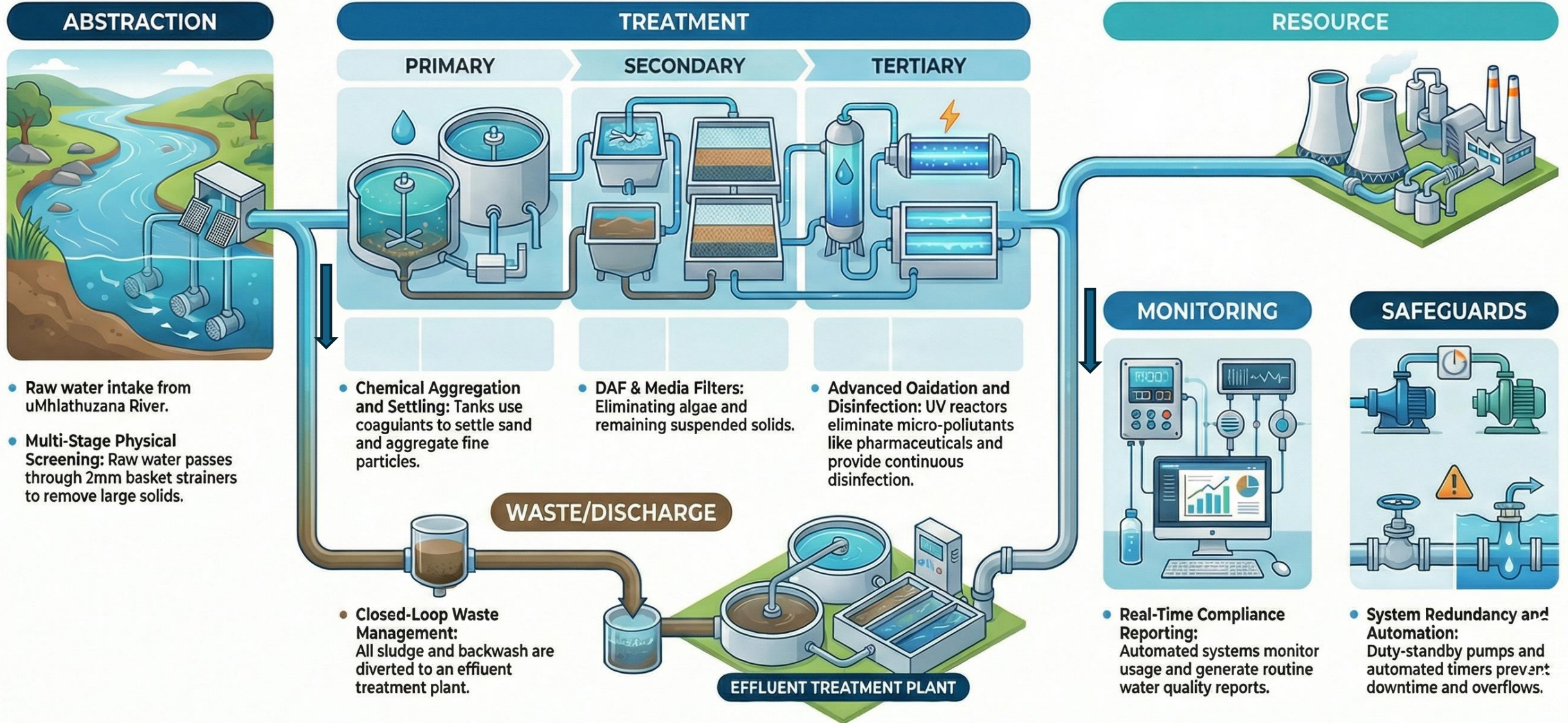
Regulatory Integration

Forms a core component of the WULA, demonstrating alignment with protection of the water resource



Method Statement

Key Processes



Environmental Management Programme (EMPr)

August 2025

Purpose

- Required by DWS as part of the WULA process
- Sets practical environmental management measures for all activities across construction and operation phases
- Ensures compliance with South African environmental legislation
- Minimises environmental impacts while enabling responsible water use

CLOVER SA (PTY) LTD
PROPOSED ABSTRACTION OF WATER FROM THE
UMHLATUZANA RIVER

ENVIRONMENTAL MANAGEMENT PROGRAMME
(EMPr)



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REF: WU39285

DATE: May 2025



Environmental Management Programme (EMPr)

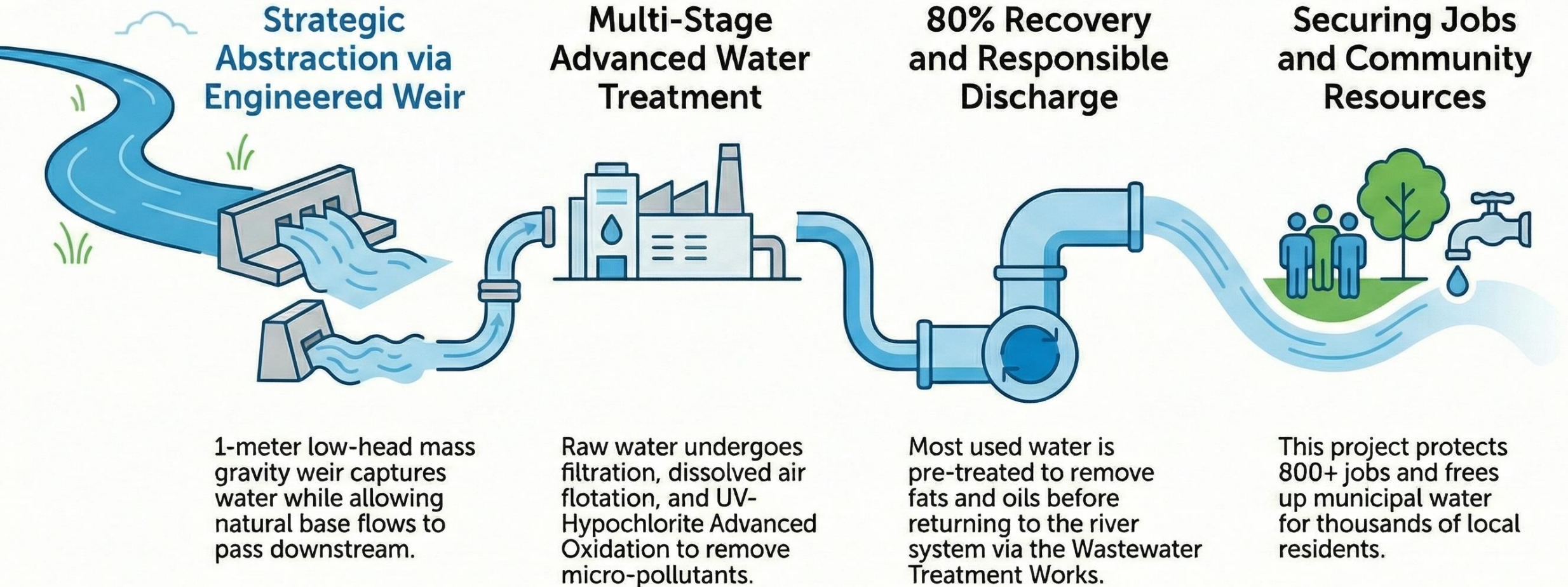
Key Considerations

- Construction activities guided by approved control measures
- Operational phase governed by structured monitoring protocols
- Risk mitigation and emergency response procedures in place
- Ongoing compliance monitoring and reporting to authorities
- Independent oversight and accountability mechanisms implemented



Key Conclusions

From River to Responsible Use



Thank You



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Public Participation Process

PUBLIC PARTICIPATION ACTIVITY	DATE
Public Review Reports (60 days)	15 January 2026 - 16 March 2026
Public Meeting - Queensburgh Community Hall	10 February 2026
Commenting period closes	16 March 2026

Project process and way forward

- ▶ Commenting period: 15 January 2026 - 16 March 2026
- ▶ Documents can be found online at:
<https://phelamanga.co.za/2026/01/06/clover-dairies-water-use-license-application/>
- ▶ Hardcopies can be viewed at:
 - ▶ Clover Dairies, Security Office, Brookdale Rd, Queensburgh, Durban
 - ▶ Queensburgh Community Hall, 420 Main Road, Escombe, Durban
- ▶ Written comment must reach Rose Owen by **16 March 2026**
 - ▶ email: rose@phelamanga.co.za
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Closure