What's next?

Further evaluation has enabled us to reduce the seven options for managing the wastewater generated in the South-West Franklin area. These options have taken into consideration, environmental, cultural, operational and economic factors.

The final option will:

Contribute to improving the water quality and ecology of the Manukau Harbour.

Significantly improve the quality of treated water transferred to the watercourse by implementing higher technology treatment.

Commit to keeping our communities healthy through sustainable development and practices.

Prepare the South-West Franklin area to allow for increased growth, beyond current prediction.

Reduce operational costs and discharge points from three wastewater treatment plants down to one.



Your feedback is important to us and will assist in our continued work to gain a better understanding of how our options will impact on or benefit your communities.

Contact us

For further information to be kept informed or queries regarding the project please contact us on:

Email: southwest@water.co.nz

Phone: 09 442 2222

Or visit www.watercare.co.nz – 'work in your area'.

Watercare invites
you to an open
evening to
find out more
about the project

Waiuku Community Centre King Street, Waiuku 2123

Tuesday 14 June 2016 3:30pm to 6:30pm

Waiau Pa School 571 Waiau Pa Road, Pukekohe 2679

> Thursday 16 June 2016 4pm to 7pm



An update on the...

South-West Wastewater Servicing Project

NEWSLETTER 4

Overview

The South-West Wastewater Servicing Project has been looking at the different ways we might be able to handle and treat the extra wastewater generated from growing communities in the Kingseat, Clarks Beach, Glenbrook Beach and Waiuku areas

Following technical assessments and environmental research, we identified seven feasible options to manage wastewater in your area (see centre fold out.)

Project objectives



Keep our communities healthy.



Protect our environment, particularly the water quality and ecology of the Manukau Harbour.



Provide a solution that caters for planned growth that keeps the overall costs of service to customers (collectively) at sustainable levels.



Recognise the significance of the Manukau Harbour to Mana Whenua and, where possible, provide for local Mana Whenua's cultural and spiritual objectives.



Retain flexibility for future, sustainable, longer-term solutions.



Best practicable option...what does that mean?

In simple terms, the best practicable option for the South-West Wastewater Servicing Project means the 'best option'.



This would be the wastewater treatment and disposal method that balances a number of objectives, is affordable and protects our communities while also preventing harm to the environment and cultural values.







South-West Wastewater Servicing Project MANUKAU HARBOUR (BMF) Discharge to Manukau Harbour via new Clarks Beach Treatment Plant (location TBC) \$174million ADVANCED WATER TREATMENT Option 3 (BMF) Discharge to Manukau Harbour via **Treatment** existing Clarks Beach Plant Kingseat to drinking standard Option 5 \$178million (BMF) Discharge to Manukau Clarks Beach **BIOLOGICAL** Harbour via Waiuku Plant \$181million Σ MEMBRANE Δ FILTRATION Kingseat treatment plant to be decommissioned and **Treatment includes** BNR with additional filtration service diverted **BIOLOGICAL** NUTRIENT REMOVAL Option 6 Technology using clarifiers to remove **Option 7** (BMF) **TASMAN** Discharge to Awhitu (AWT) Discharge nitrogen and phosphorous SEA Peninsula via Waiuku Plant to Aquifer between Waiuku & Clarks (Mangere Treatment Plant) \$227 million Beach \$300million **OXIDATION POND** (current Waiuku (BNR) Discharge to Tasman Sea via Waiuku Plant \$198million treatment type) Basic form of treatment Option 2 (BMF) Discharge to Tasman Sea via Waiuku Plant \$199million