

Hokitika Wastewater Upgrade Project

Potential Wastewater Schemes (Domestic) - SHORT LIST following Traffic Light Assessment

Base Scheme Ref.	Receiving Environment	WWTP Location	Base Treatment Option	Mana Whenua Input from 'Long List'	Treatment Enhancements			SFF Treatment (to be worked through)	SFF Discharge (to be worked through)	Long List Ref.	Short List Ref.	Scheme Ref.	
					UV Disinfection (d)	Membrane Filtration (m)	Cultural Enhancement (c)						
O-TP1-B	Ocean via: WMP Existing Outfall	TP1 Existing WWTP Site	Biological Trickling Filter (BTF)	x	x	x	✓			1	1	O-TP1-Bc	
				x	✓	x	✓				2	O-TP1-Bdc	
				x	x	✓	✓				3	O-TP1-Bmc	
O-TP2-B		TP2 West of Airport		Biological Trickling Filter (BTF)	✓	x	x	✓			5	4	O-TP2-Bc
					✓	✓	x	✓				5	O-TP2-Bdc
					✓	x	✓	✓				6	O-TP2-Bmc
O-TP3-B		TP3 Airport		Biological Trickling Filter (BTF)	✓	x	x	✓			9	7	O-TP3-Bc
					✓	✓	x	✓				8	O-TP3-Bdc
					✓	x	✓	✓				9	O-TP3-Bmc
L-TP2-C	Land West of Airport via: RIBS/Trenches	TP2 West of Airport	Conventional Secondary Treatment	✓	✓	x	✓		6	10	L-TP2-Cdc		
				✓	x	✓	✓				11	L-TP2-Cmc	

Key abbreviations:

O – Ocean, L – Land

WMP - Westland Milk Products

RIB - Rapid Infiltration Basin

TP – Treatment Plant

B (BTF) – Biological Trickling Filter, C (CST) - Conventional Secondary Treatment

d - UV Disinfection, m - Membrane Filtration, c - Cultural

✓ - option selected, x - option not selected

SFF - Silver Fern Farms

1. **SFF treatment and discharge** options still to be worked through.
2. **BTF with Clarifier** is a sub-option of C - CST.
3. **Discharge to WMP ocean outfall** is fundamental to outfall O3 options along with securing appropriate changes to resource consent conditions.
4. **SFF discharge**, providing it remains in the scheme, would be included in Council's agreement with WMP for the discharge through the WMP ocean outfall regardless of whether treatment is in the Council's system, or undertaken by SFF.
5. **Treatment Enhancements** could be part of the initial build or added in the future in accordance with requirements set in resource consent conditions. This could be through periodic reviews of performance, adaptive management approaches, or other techniques.
6. **Cost not considered at this phase** of assessment but is one of the criterion used for the coming assessment of the Short List.
7. **Refer to updated Assessment Overview Diagram** for summary of assessment steps and outcomes through to this Long List to Short List summary.
8. **Mana Whenua have confirmed** they desire an open channel type **cultural treatment enhancement** that includes rocks and that enables the water to be seen.