

sewerage

Provide liquid waste transport, treatment and refuse services in a manner that will enhance the health, safety and convenience of the Christchurch community, and meet the needs of a growing city in conformity with the intentions of district and regional plans. The sewage collection system serves all of the Christchurch City urban area and Prebbleton, Lincoln, Tai Tapu and Springston in the Selwyn District and comprises 1,570km of sewer mains, 78 pumping stations, approximately 22,500 manholes, 1,600 flush tanks, and 113,000 sewer laterals. Treatment works are at Bromley and Belfast.

Statement of Objectives and Service Performance

Objectives for 2001/02	Performance Indicators	Actual	Target
1. To develop a comprehensive Liquid Waste Management Plan which conforms to the requirements of the Local Government Amendment Act No 4. The objectives below will form elements of this plan.	1.1 Draft Liquid Waste Management Plan completed and special consultative procedure started by	Draft completed. Consultation suspended until ChCh Treatment Plant discharge consent application completed to avoid confusion	30 June 2002
2. Preserve the value of the public reticulation system by following an asset management strategy.	2.1 Full implementation of the 2001/02 sewer capital works programme, as set out in the Asset Management Plan (AMP).	Capital Work of \$11,921,400 completed by 30 June 2002. Implementation of remainder is in progress - uncompleted work carried forward	Capital Work of \$10,084,675 completed by 30 June 2002
3. To ensure adequate system capacity to cater for present and future urban growth by continuing the infiltration and inflow remedial works.	3.1 Complete major catchment flow monitoring investigations by and commence sub-catchment investigations, inspections and remedial works on a further plus sub-catchment pipe joint grouting by	Final report received March. Sewer grouting commenced. Additional 2800 properties surveyed	30 June 2002 15,000 Properties 30 June 2002
4. Minimise sewerage outflows to private property, public roads and waterways.	4.1 Record and report all overflows of sewerage resulting from failure of Council pumping equipment, with a target of	3 Failures	Nil Failures
5. To minimise energy costs for all operating plant, by maximising biogas used for energy production.	5.1 Maximise engine generator use on load over, at least	6964 hours	8000 hours
6. To comply with water right effluent discharge standards as required through achievement of target treatment levels.	6.1 Measure discharge pollutant levels with a target of an average reduction in BOD and suspended solids, at least	75% / 66%	75% / 75%
	6.2 Reduction in faecal coliforms across the whole Christchurch Wastewater Treatment Plant and Oxidation pond with a final average effluent as measured in the final pond prior to discharge, less than	99.8%	99.8%
	6.3 Develop a baseline monitoring programme & a baseline data set for nitrogen removal through the plant and compare to upgrade plant nitrogen base line data by	14,000/100ml 31 July 2001	10,000/100ml 30 June 2002

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Statement of Objectives and Service Performance

Objectives for 2001/02	Performance Indicators	Actual	Target
7. To hold sewage treatment total costs to targeted figures.	7.1 Achieve annual treatment cost per year maximum of	\$16.71 per person \$43.44 per ratepayer \$0.10/m ³	\$18.30 per person \$47.50 per ratepayer \$0.12 /m ³
	7.2 Achieve annual total operational cost maximum of	\$42.02 per person \$109.25 per ratepayer \$0.23 m ³	\$48.95 per person \$127.50 per ratepayer \$0.32 /m ³



Construction of one of the new clarifiers at the Christchurch Wastewater Treatment Plant.

Statement of Cost of Services for the Year Ended 30 June 2002

	2002 Costs (After Internal Recoveries) \$000's	2002 Income \$000's	2002 Net Cost \$000's	2002 Estimate Net Cost \$000's	2001 Actual Net Cost \$000's
Operational Outputs					
Information and Advice	74	10	64	132	214
Planning	327	0	327	203	128
Liquid Waste Collection	11,043	2,144	8,899	8,896	8,249
Liquid Waste Treatment and Disposal	5,755	1,344	4,411	4,848	3,759
Cost of Service	\$17,199	\$3,498	\$13,701	\$14,079	\$12,350

Notes (\$000's)

External Revenue included in Income is: Actual 2002 \$3,498, Estimate 2002 \$2,709, Actual 2001 \$3,479.

Depreciation included is: Actual 2002 \$5,525, Estimate 2002 \$5,645, Actual 2001 \$5,704.

Refer Note 22.