

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 comprises 1,560 km of sewer mains, 78 pumping stations, approximately 20,000 manholes, 1,600 flush tanks, and 100,000 sewer laterals. Treatment works are at Bromley, Belfast and Templeton.

Statement of Objectives and Service Performance

Objectives for 2000/01	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 2001
2. Preserve the value of the public reticulation system by following an asset management strategy.	2.1 Full implementation of the 2000/01 sewer capital works programme, as set out in the Asset Management Plan (AMP).	Capital Work of \$11,293,949 completed by 30 June 2001. Implementation of remainder is in progress - uncompleted work carried forward	Capital Work of \$11,498,485 completed by 30 June 2001
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 plus inspection and remedial works on a further	Major catchment flow monitoring completed. Sewer grouting commenced. 13,050 Properties	30 June 2001 15,000 Properties
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	Nil 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	7,775	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	74%* / 62%*	70% / 65%
	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	99.9% 2,800/100ml	99.8% 10,000/100ml

* Measured for 8 months. Test results were not available during the four month refit process.

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Objectives for 2000/01

7. To minimise sewage treatment costs.

Performance Indicators

7.1 Achieve annual cost per year maximum of

Actual

\$15.03 per person
\$39.08 per
ratepayer
\$0.10/m³

Target

\$17.05 per person
\$44.30 per
ratepayer
\$0.12 /m³



An aerial view of the Bromley Wastewater Treatment Plant

Statement Of Cost Of Services For The Year Ended 30 June 2001

	2001 Costs (After Internal Recoveries) \$000's	2001 Income \$000's	2001 Net Cost \$000's	2001 Estimate Net Cost \$000's	2000 Actual Net Cost \$000's
Operational Outputs					
Plans and Policy Statements	130	0	130	106	131
Information and Advice	26	16	10	47	159
Consents and Applications	203	0	203	324	228
Liquid Waste Collection	10,189	1,940	8,249	7,538	8,441
Liquid Waste Treatment and Disposal	5,281	1,523	3,758	4,696	2,879
Cost of Service	\$15,829	\$3,479	\$12,350	\$12,711	\$11,838

Notes (\$000's)

External Revenue included in Income is: Actual 2001 \$3,479, Estimate 2001 \$2,791, Actual 2000 \$3,469.

Depreciation included is: Actual 2001 \$5,704, Estimate 2001 \$5,844, Actual 2000 \$5,064.

Refer Note 22.