
Asset Manager's Report June 2008



WATER/WASTEWATER

Staffing

The newly constituted Utilities Service Unit (USU) is now up to full strength and fully functional. Craig Wilson attended the first training session leading towards his Water Operator's certificate in May.

Suresh Unni, the Water/Wastewater Engineer is back after holidays.

Urban Sewer

The sewer network and treatment plant continued to operate without any problems.

The performance review report and draft O&M manual for the sewage treatment system (produced by BECA Consultants) are now being reviewed by staff.

Sewer extensions

Timaru Road:

The recommendations by staff following the findings from the questionnaire survey conducted among the potential beneficiaries of the Timaru Road sewer extension are to be reviewed by the Council.

Upper High Street:

A public meeting was held at the Local Government Centre to discuss a proposal to extend the sewer network to service the area adjoining the golf course, with two new land development proposals being planned along Browns Road and Courts Road respectively. The meeting was attended by about 12 property-owners who are likely to benefit from the extension.

Further investigation by staff reveals that the proposed area cannot be connected to the urban sewer network via gravity flow. The sewer network can be extended to the end of High Street via gravity main, terminating at a manhole at the junction of High Street and Browns Road. The proposed development area will then have to be networked to collect the sewage at a suitable point and then pump to this gravity main.

Water Schemes

The Urban Water Scheme

A new chlorinator that can report the chlorine levels through SCADA is now installed at the Manchester's Road bore.

The water usage has now eased, and the Manchester's Road bore can now meet the full demand for the town.

The modelling study on the Urban scheme reveals that the unaccounted-for water for the scheme (mostly water loss due to leaks in the network) is approximately 21 Litres per property per hour, where anything above 8 Litres per property per hour is

considered high. The rate of leakage loss is estimated at 12L/sec. The network pressure is much higher than the reasonable requirement for most parts of the town, which is a contributing factor for leakage and pipe failures. Further investigations are to be carried out to identify design solutions.

The Public Health Risk Management Plan for the scheme is soon to be submitted for approval by the MoH Drinking-water Assessment Unit. The document includes a number of steps that are identified to progress towards compliance, for which funding from the Capital Assistance Programme can be sought.

Rural Water Schemes

Cannington-Motukaika

The scheme did not have any major problems.

Otaio-Makikihi

Teschmaker Bush Extension:

Following the successful drilling of a bore well at the Gregan farm, they are likely to cut down their request for water. The physical work for the extension will start once the exact requirement is known.

A new chlorinator that can report the chlorine levels through SCADA is being installed at the main pump station.

The scheme did not have any major problems in the network or water quality.

Hook Waituna

No major incidents; all water samples were OK.

Lower Waihao

The construction of the new electrical controls shed and new switchboard is nearing completion.

All water samples were OK.

Waikakahi

There has not been any more information after the site meeting last month at Stone Wall to discuss the issues related to the consent application for discharge of dairy effluent by GSI Trading.

No major problems in the scheme to report; all water samples were OK.

Waihaorunga

Application for renewal of the existing resource consents for the two water takes has been lodged.

The boil water notice on the scheme was revoked last month. There has not been any further problem with the water quality.

ROADING

Work Completed

Drainage

Horseshoe Bend Road replace 3 culverts
 Daledew Road culvert replacement
 Milne Road culvert replacement
 Coopers Road culvert replacement
 Jacksons Bush new culvert
 Waimate Hunter Road new culvert
 Kowhatu Road surface water channel construction
 Clarksfield culvert replacement

Pavement Repairs

Morven Area general repairs
 Haymans Road 290m overlay

Metalling

Maintenance metalling has been completed in the Otaio and Makikihi Wards.

Bridge Repairs

B Howells and W Howells Culverts

A concrete invert has been installed in B Howells and W Howells Culverts, Backline Road. These are corrugated steel pipe arch culverts; the existing steel invert requires protection from corrosion.

Taylor's Bridge Woolshed Valley Road

Damage to deck repaired

Inspections

GHD Ltd have completed the structural bridge inspection programme for 2007-08

Seal Widening

Barnett's Road completed (contractor to complete some repairs)

Footpath Renewal

The footpath on SH 1 St Andrews has been resealed and the gravel section First coat sealed. Two Commercial entrances have been upgraded.

Minor Safety

Intersection improvement.
 Deep Creek /Corrigans Road

Safety footpaths are completed on Mill road (Allan Street to Hunts Road).
 Bluecliffs Road St Andrews (St Andrews School to Coles Street)

Pavement Marking

Remark completed

Work Programmed

Pavement Repairs

General pavement repairs

Unsealed Road Metalling

Complete the Maintenance metalling of unsealed roads is in the Upper and Lower Pareora Wards.

Drainage

Veritys Road install 900mm culvert and construct surface water channels

Parsonage Road install new and replacement culvert

Studholme Settlement road replace 300mm culvert.

Braddon Street St Andrews upgrade access channel crossings

Concrete Ford Repairs

It is proposed to widen the concrete ford on Lower Hook road to two lanes, lengthen the centre culvert to remove hazard and repair concrete pavement on the West end.

Minor Safety

Safety Footpath

High street (End of Kerb & Channel to Browns Road)

Browns Road (High Street to Golf Club car park)

Point Bush Road (Garlands Road south for 150m)

Seal Widening

Two Curves on Lindsays Road will be widened.

Formation Widening

The formation will be widening on a narrow section of Mt Harris road above the Waihao River. This will include gabion construction to stabilise a short length of road shoulder.

Stock Underpass

Applications for Stock Underpasses have been received for Backline Road (Hunter), Grange Road, Mill Road (near Parkers Bush Road) and Parkers Bush Road.

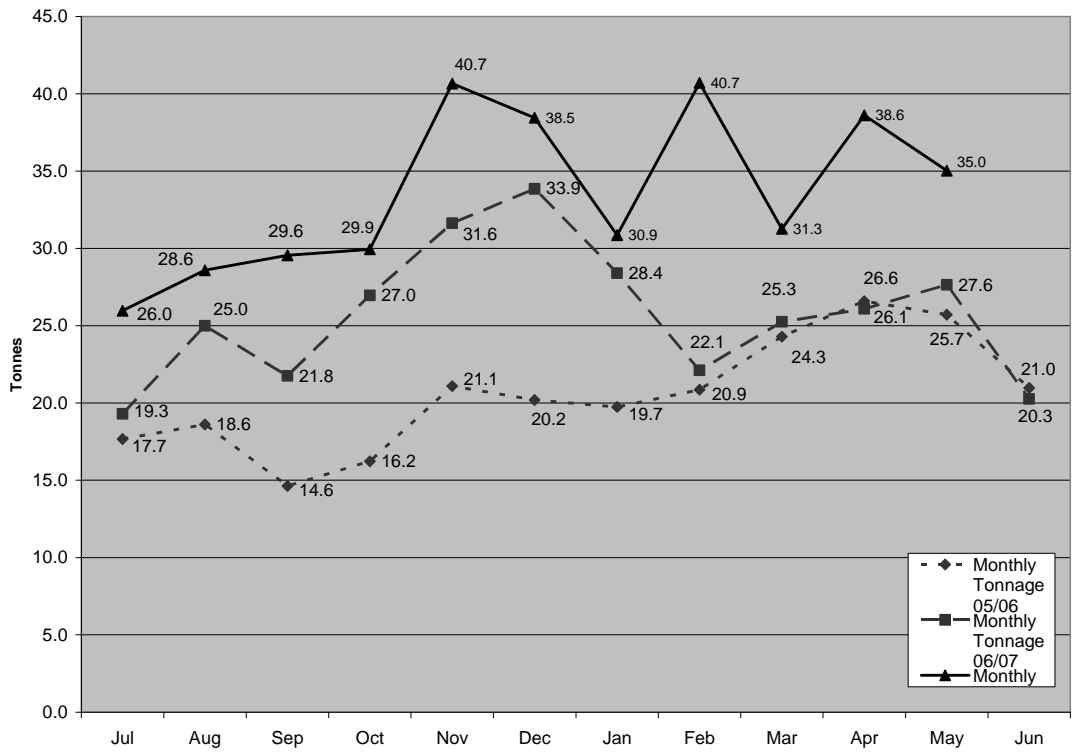
WASTE

Monthly Tonnage for Recycling Collection

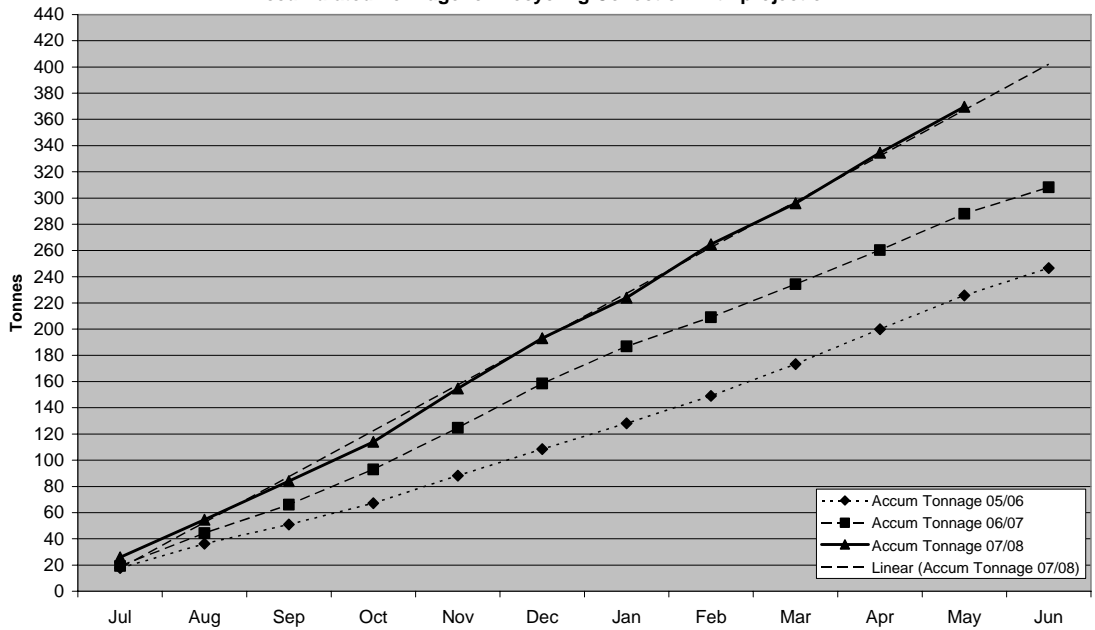
The tonnage of recyclables collected for April and May 2008 was 38.6 and 35.0 tonnes respectively, exceeding last year's comparable months of 26.1 and 27.6 tonnes.

Tonnage from the recycling collection for the first eleven months of this financial year totalled 370 tonnes compared to 288 tonnes for the comparable period last year, a 28% increase. This is trending 400 tonnes of recyclables being collected for the 2007 / 2008 financial year. An additional 400 tonnes per year of recyclables will be taken directly to the Resource Recovery Park. The charts below compare the monthly and accumulative tonnages for the thirty five months the recycling collection has been operating:

Monthly Tonnage from Recycling Collection and Drop-off Sites Since July 2005



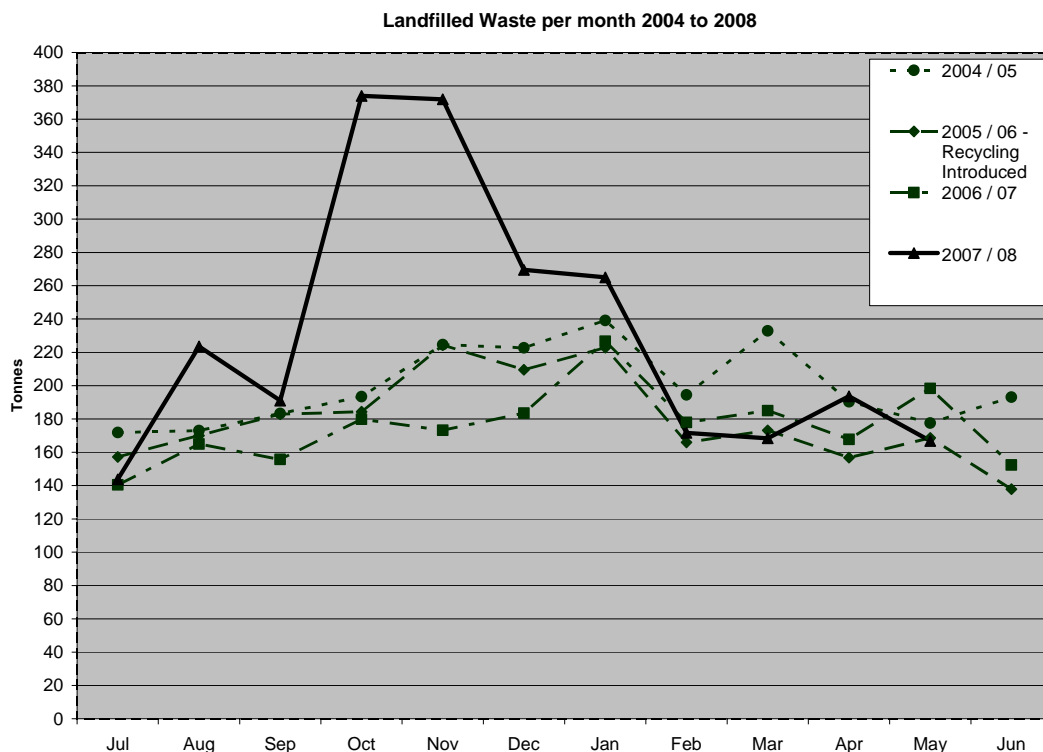
Accumulated Tonnage for Recycling Collection with projection



Tonnage to Landfill

Tonnage to landfill for the month of May 2008 was 166.81 tonnes, compared 198.31 tonnes for the comparable month last year, as recorded by the Timaru Landfill.

The tonnage landfilled was 2691.24 tonnes for the 12 months ending 31 May 2008.



Closed Landfill Consent Review

ECan have accepted that the application will be non-notified. Montgomery Watson Harza (MWH) advised that the ECan Investigating Officer's report recommended existing surface water samples will no longer be necessary. All ground water sampling would have a considerably reduced group of parameters to test, greatly reducing laboratory costs. In addition, unless results indicated substantial contamination occurring, groundwater sampling would cease for most landfills by 2010, with Waimate Landfill monitoring ceasing from 2016.

Waitaki Request For Proposal

On Tuesday 20 May, the Waitaki District Council formally decided to cancel the RFP process. This releases both Waitaki and Waimate Councils from contract discussions, to investigate other options that may be available.

Waste Management Asset Management Plan and Valuation

Maunsells are undertaking an update of the Solid Waste Asset Management Plan and Valuation to the end of June 2008, as part of the triennial requirement for Audit NZ. Graeme Hughson was on-site 26 to 28 May 2008 gathering data for both Solid Waste and Storm Water AMPs.