

TO: Chairman and Members Engineering Services Committee

FROM: Peter Thomson

REFERENCE: A503

DATE: 14 October, 2010

SUBJECT: Utilities Management Report

6.2 WATER

6.2.1 Dovedale Rural Water Supply

New pipework has been installed replacing the Knots-Whiting line. The Kelling Road line is underway. A new reservoir at Knotts has been installed. During the last month staff met with the Dovedale Water Committee to discuss forward work programmes and funding.

6.2.2 88 Valley Rural Water Supply

The 88 Valley scheme is operating satisfactorily and the installation of new storage tanks and some reticulation works are underway to improve the efficiency of the scheme. Remedial work at the intake, including the placement of graded gravels around the intake screen, has resulted in a significant improvement of the inflow.

6.2.3 Hamama Water Scheme

All of the Hamama Road replacement water main has been installed and work is complete. Some road sealing work remains to be completed.

6.2.4 Redwoods Rural Water Scheme

Work is well advanced in establishing easements over all new reticulation and the parallel existing reticulation. This work has gone well with the co-operation of property owners.

6.2.5 Firewells in Motueka and Takaka Areas

All testing and clearing is now complete. A review is underway of the efficiency and locations of the Takaka firewells. Work is to commence on any remedial work needed on wells and upstands found during the testing programme.

6.2.6 Murchison Water storage Study

Work is still proceeding on this project which compares system losses from the recent leakage investigations with the originally proposed extra storage requirements.

6.2.7 Collingwood Water

All remedial works at the treatment plant have now been completed. Flushing of all mains has been completed.

The future of the old Collingwood water reservoir pond is still under review

6.2.8 Richmond Water Mains

The 100 mm diameter asbestos cement water main in Crescent Street has been replaced with a new 150 mm diameter PVC class "D" main.

Work is still on schedule to abandon the cast iron mains running from Easby Park to Hill Street.

The Faraday Rise water main replacement has been commenced.

Opus International Consultants have completed their preliminary design report for Wensley Road water main upgrade. Once the preferred option has been confirmed, Opus will proceed with detailed design and tender documents.

6.2.9 Waimea Wells

Waimea well electrical upgrade is underway. The new chlorine analyser is programmed for installation in the Waimea well.

6.2.10 Water and Sanitary Assessments

Consultation on the Water and Sanitary Assessments has been undertaken in conjunction with the draft Annual Plan 2005/2006. 24 submissions were received, 12 of which requested to be heard.

6.3 STORMWATER

6.3.1 Richmond Stormwater

Work in realigning the Oxford Street/Wensley Road stormwater main is now completed.

The Heberd Place Stormwater Upgrade contract has been awarded to Ching Contracting Ltd and site work is programmed to commence mid-July 2005.

6.3.2 Ruby Bay Stormwater

Opus International Consultants have completed their preliminary design report for stormwater improvements in Stafford Drive, Ruby Bay. The report includes hydraulic modelling, evaluation of working options and preliminary design costings. A report to the Engineering Services Committee is to follow.

Once full review of the options is completed and TDC approval given, detailed design will proceed.

6.3.3 Motueka Flood Gates

Electrical upgrade work and refurbishment of the Wharf Road control gates has been completed. General warning safety signage is yet to be installed.

6.3.4 Reservoir Creek Dam

Options and estimates are still being reviewed for this project and expected to be completed by the end of July.

6.4 WASTEWATER

6.4.1 Pohara Stage 3

The Pohara Stage 3 scheme is now complete. The official public opening of the new scheme is at 2.30 pm on 7 July 2005 at the Dodson Road/Park Avenue/SH 60 intersection followed by afternoon tea in the Takaka Rugby Clubrooms.

Approximately 50% of property owners have elected to pay the contribution fee as a one-off payment over 12 or 24 months.

6.4.2 Motueka Wastewater Treatment Plant Improvements

Work on the construction of the new sand filter disposal beds and on the upgrading and rejuvenation of the existing disposal beds, is currently on hold with the discovery of human remains. Council continues to investigate the extent utilising ground radar equipment and is working through the issues with Iwi.

The installation of new aerators and a mechanical screen will be undertaken following the upgrade works.

6.4.3 Tapawera Wastewater Treatment Plant

Upgrading of the effluent disposal system will be undertaken once resource consent has been obtained. Application for resource consent has been submitted and is currently under a Section 92 request for further information including a Cultural Impact Assessment.

6.4.4 Murchison Wastewater Treatment Plant

The sludge survey is now complete. Detailed design is continuing and the release of detailed design report is imminent.

Groundwater test bores have been installed at the treatment plant site so as to determine the groundwater flows. If the tests provide a positive outcome, proposed upgrading works will commence early in the financial year. Upgrading works to the treatment plant will need to be completed by November 2005. Delays to this deadline may occur if the consent is classified as notified and/or requires further information to the application.

6.4.5 Takaka Wastewater Treatment Plant

The application for subsidy has been submitted for provisional funding. Consultation has commenced with affected parties as a requirement of the new resource consent and to

proceed with the treatment plant upgrades. The next step is to complete the Assessment of Environmental Effects and Iwi have also requested a Cultural Impact Assessment.

6.4.6 Richmond Trunk Sewer main

The detailed engineering plans and tender documents have been received for the Richmond trunk sewer main. Once funding is confirmed, approval to go ahead will be given to tender contract. The contract is expected to be tendered by the end of July 2005.

6.5 REFUSE

6.5.1 April/May Zero Waste Funding Round 2005

Seven applications for Zero Waste funding were received for the April funding round.

These have been assessed by Tasman District Council staff and Cr Bryant and the funding has been allocated as follows.

- Community Enterprise and Economic Development Trust (CEEDS) - Golden Bay Bag Ladies \$2670

This is to fund a school education program about reducing plastic bag consumption, using reusable alternatives and waste minimisation generally in Golden Bay and will pay for cloth bags to be give out to students.

- Golden Bay Work Centre Recycling operation. \$1443.10

The outcome of the new contract with Streetsmart has seen the Work Centre Trust continue to operate at Takaka Resource Recovery centre and take a more defined role in recycling on the site. It was decided to award Zero Waste funding applied for in October 2004 round for volunteer expenses and safety equipment.

- Helping Hands.\$1500

Feasibility study /pilot trial to see if a local Golden Bay green waste facility could be developed to reduce the amount of garden waste at the TDC Takaka Resource Recovery Centre.

- Our Town Motueka \$900

This is for support of the Motueka “Bag a bargain” – reusable shopping bags campaign, where reusable shopping bags will be sold in Motueka, promoting Zero Waste. Funding is for shortfall in bag production costs not covered by advertising income (bags have Motueka shop logos printed on them).

- Community Action \$598.50

This is to fund stickers for creating reusable portable ashtrays (film canisters), posters and advertising for campaign called “Bin yr Butts” which promotes the prevention of cigarette butt litter in Motueka.

The other two applications received from Golden Bay Septic Tank Cleaning Services and Barry Korcheski & Associates Ltd did not meet the zero waste grant criteria.

6.5.2 Special Waste to Eves Valley Landfill

Approved special waste from the Fonterra Milk Treatment Plant fire in Golden Bay is being carted and disposed of at the Eves Valley landfill. Burnt plastic and milk powder, both of which need to be removed from the site to prevent environmental contamination, is being accepted at Eves Valley landfill. The landfill contractor is monitoring these materials daily to ensure that only appropriate dumping occurs at the landfill. Fonterra estimate that there is between 800 to 1,000 tonnes of material from the fire site to cart to Eves Valley. All trucks that come to the site are required to provide weighbridge docket under the special waste handling procedures and these are collected and processed to determine a final charge. The current charge is at the standard \$75 per tonne landfill special waste charge rate.

Staff understand that steel from the site is being recycled and timber is being resolved locally.

6.5.3 Takaka Resource Recovery Centre

In response to odour complaints from neighbouring resident, Mr Whittaker, staff from Tasman District Council and MWH NZ Ltd have investigated the site and have plans in place to remedy the odour problems.

6.5.4 Extension to Kerbside Recycling

Kerbside recycling service has been extended to the remaining previously unserved areas that are on the current refuse route.

The bin delivery roll out went relatively smoothly with only a few minor problems. Considering that the rural numbering system is not in place yet, Streetsmart did a good job of identifying properties to deliver to.

6.5.5 Recycling Stations

Now that kerbside recycling in extended areas is well underway, the recycling stations in Takaka, Wakefield and Motueka have been removed. Signage is now in place advising residents to take recyclables directly to the nearby resource recovery centres.

6.3 TENDERS

No	Contract Name	No tenders received	Successful tenderer	Amount \$	Highest Amount \$	TDC Estimate \$	Budget \$
630	Motueka wastewater Treatment Plant – Upgrade Screen, Aerators and Pumps	2	Sindico ¹ Smith & Loveless ²	104,581 190,710		333,000	
648	Hebberd Place Stormwater	4	Ching	137,456	179,854	148,510	

¹ Supply screen only

² Supply Aerators and Pumps

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