



# Ashburton District Council

## AGENDA

A **MEETING** of the **OPERATIONS COMMITTEE**  
will be held as follows:

**Date:** Thursday 3 February 2011

**Time:** To follow Environmental Services Committee

**Venue:** Council Chamber  
5 Baring Square West  
Ashburton

B LESTER  
Chief Executive

### **MEMBERS:**

Cr L J Leadley (Chair)  
Cr P W Reveley (Deputy Chair)  
Cr N A Brown  
Cr D M Favel  
Cr D N Nelson  
Cr M J Nordqvist  
Cr A B Totty  
Cr R S Wilson  
Mayor A R McKay (ex officio)

# AGENDA

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27 January 2011

## ASHBURTON DISTRICT COUNCIL REPORT

FILE NO: 5/8/6/2  
DATE: 3 February 2011  
REPORT TO: Operations Committee  
FROM: Solid Waste Manager  
SUBJECT: Rakaia resource recovery park composting operation and activity

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### 5. RAKAIA RESOURCE RECOVERY PARK COMPOSTING OPERATION AND ACTIVITY

#### 5.1 SUMMARY

The resource recovery park at Rakaia receives residual waste, recyclable materials, greenwaste and putrescibles. The site does not currently have resource consents for composting activities and operations. The purpose of this report is to seek the guidance of the Committee on the extent of the composting activities to be carried out at the site and to confirm budget provisions, to commence resource consent application preparation and the design of on-site developments if required.

#### 5.2 RECOMMENDATION

“That the Committee approves:

1. The establishment of stockpiling and shredding activities on site to deal with greenwaste received at the Rakaia resource recovery park;
2. The transport of shredded greenwaste back to the Ashburton resource recovery park for processing; and
3. The lodgment of resource consents for stockpiling and shredding of greenwaste.
4. That budget provision be as follows: On-site development \$87,171 (2011/2012) and operation and maintenance costs \$16,500 (2011/12).”

#### 5.3 BACKGROUND

The Rakaia resource recovery park receives residual waste, recyclable materials, greenwaste and putrescibles. One of the activities carried out on site is composting which has been carried out for a number of years. The composting activity includes the receipt of greenwaste, storage, shredding, composting and disposal of composted material. The site is not currently consented for composting activities and operations. A programme for the lodgment and processing of the required resource consents has been agreed with Environment Canterbury that takes account the small scale of the operation and Council's budgeting and work programming timeframes. As part of the agreement a resource consent application must be lodged with Environment Canterbury by the end of February 2011. Significant site development will be required to ensure compliance with likely resource consent conditions.

There are a range of options available to deal with the greenwaste at the site. These options include:

- Full composting activities and operations on site (status quo, consents and site development required)
- Stockpiling greenwaste into containers and transport of unshredded greenwaste back to Ashburton resource recovery park for processing

- Stockpiling of greenwaste, shredding and transport of shredded greenwaste back to Ashburton resource recovery park for processing
- No greenwaste received at the site (customer transports greenwaste to Ashburton for disposal).

## 5.4 OPTIONS & RISKS CONSIDERED

### Option 1 Full composting activities and operations on site

Full receipt of greenwaste and composting activities on site.

This option will require the following:

- Three resource consents
- Significant site development and associated construction costs to manage and process a relatively small volume of material
- A higher level of on-site management and quality control to ensure compost quality and revenue
- Volumes of greenwaste disposed of at the site are small
- No change to the current level of service provided to customers.

The estimated cost of this option is:

Resource consents	\$ 26,000	
Physical site improvements	<u>\$122,342</u>	<b>\$148,342</b>

\*\*Additional on site operation and maintenance costs      **\$ 12,400** per annum

\*\* This is currently being paid as an addition to the Townsman contract

### Option 2 Stockpiling greenwaste into containers and transport of unshredded greenwaste back to Ashburton resource recovery park for processing

Full receipt of greenwaste, stockpiling into containers and then transporting back to Ashburton resource recovery park for processing

- Current level of service retained from customers' point of view.
- Simple resource consent process for "container stockpiling" provided certain conditions are met.
- The resource consent application and associated documentation for "container stockpiling" would be prepared by staff with application fees being approximately \$500, however the on-site physical works required are high because of earthworks, and tipping face extension.
- This option would require a change to how the "wet bag" material is managed. This material would not be included in the processes associated with this option and would have to be dealt with as residual waste.
- Greenwaste would be transported to and composted at the Ashburton resource recovery park
- Potential revenue from the sale of composted material would not be available to the Rakaia Resource Recovery Group.
- Volumes of greenwaste disposed of at the site are small.
- No change in the current level of service provided to customers.

The estimated cost of this option is:

Stockpiling into containers:

Resource consent (1)	\$ 500	
Site development	\$ 90,000	
Purchase of container	<u>\$ 17,600</u>	<b>\$108,100</b>
Transport to Ashburton resource recovery park	\$ 22,176	
Less reduction in operation and maintenance costs	<u>\$ -12,400</u>	
		<b>\$ 9,176 per annum</b>

*Note:* Consideration was given to storing the greenwaste on site and then loading into containers for transport back to the Ashburton resource recovery park. This option was disregarded as it required the same site development costs as storing into containers.

### **Option 3 Stockpiling of greenwaste, shredding and transport of shredded greenwaste back to Ashburton Resource Park for processing**

Full receipt of greenwaste, storing on-site and then shredding into containers for transport back to Ashburton resource recovery park.

- Can include the purchase of a container for the shredded greenwaste or alternatively shredded into contractors bins for transport
- “Wet Bag” material would not be included in this option.
- This option would require a change to how the “Wet Bag” material is managed. This material would not be included in the processes associated with this option and would have to be dealt with as residual waste.
- Potential revenue from the sale of composted material would not be available to the Rakaia Resource Recovery Group.
- No change in the current level of service provided to customers.

The estimated cost of this option is:

Stockpiling on site and then shredding into Council owned container prior to transport:

Resource consents (3)	\$ 26,000	
Site development	\$ 61,171	
Purchase of container	<u>\$ 17,600</u>	<b>\$104,771</b>

Additional operation and maintenance costs	\$ 10,500	
Transport to Ashburton resource recovery park	<u>\$ 4,480</u>	
		<b>\$14,980 per annum</b>

Stockpiling on site and then shredding into contractors bins for transport:

Resource Consents (3)	\$ 26,000	
Site development	<u>\$ 61,171</u>	<b>\$ 87,171</b>

\*\* Additional operation and maintenance costs (incl transport) **\$16,500** per annum

\*\* : Transport costs are included in contractors estimate for this option

### **Option 4 Do not accept or process greenwaste**

No receipt of greenwaste, no composting activities on site.

- Reduction in the current level of service provided to customers.
- Reduced costs.

- Potential revenue from the sale of composted material would not be available to the Rakaia resource recovery group.
- Removes the need for resource consents.
- Inconsistent with Council's approach to waste management and waste minimisation.
- Customer would be required to transport greenwaste to the Ashburton resource recovery park for disposal.

## 5.5 STATUTORY IMPLICATIONS

The current composting activities at the Rakaia resource recovery park are non compliant. This issue has been addressed with Environment Canterbury. The extent of any resource consenting is dependent on the scale and range of activities to be carried out on the site. We have agreed with Environment Canterbury that required resource consents will be lodged by the end of February 2011. For composting activities to continue on site resource consents must be obtained.

## 5.6 CONSULTATION

The content of this report has been discussed with representatives of the Rakaia Community Association, Ward Councillors and Mastagard, in their capacity as the Ashburton resource recovery park contractor. Consent requirements have been discussed with Environment Canterbury. They have indicated that their preferred option is Option 2 placing / storing greenwaste into containers and then transporting unshredded greenwaste back to Ashburton resource recovery park. There has been no consultation with the wider community. Any physical works and associated costs or changes in levels of service will be the subject of consultation through the 2011/2012 Annual Plan process.

## 5.7 STRATEGIC LINKS

Approval of the recommendation in this report is consistent with the Council's objective in the LTCCP 2009/2019.

## 5.8 FINANCIAL IMPLICATIONS

Financial implications are as follows:

Option 1	Full composting activities and operations on site capital development	\$148,342
	Additional operations and maintenance costs	\$ 12,400
Option 2	Stockpiling greenwaste only and transport of un shredded greenwaste back to Ashburton resource recovery park capital development	\$108,000
	Additional operations and maintenance costs	\$ 9,176
Option 3	Stockpiling of greenwaste, shredding and transport of shredded greenwaste back to Ashburton resource park capital development <b>(including purchase of container)</b>	\$104,771
	Additional operations and maintenance costs	\$ 14,980
	Capital development <b>(excluding purchase of container)</b>	\$87,171
	Additional operations and maintenance costs	\$16,500
Option 4	Do not accept or process greenwaste.	

There is a potential loss of revenue for the Rakaia resource recovery group. Funding for any onsite physical works and operation and maintenance is from the general rate. Budget provision has been made in the 2011/2012 Annual Plan, additional projects, for the sum of \$160,742 as this project is not in the 2009/2019 LTCCP. Budget provision will be adjusted dependant on the results of the Committee's approach to this report.

The recommended option is Option 3 - stockpiling of greenwaste, shredding and transport of shredded greenwaste back to Ashburton resource recovery park for processing.

Prepared By:

C COOMBS  
**Solid Waste Manager**

Approved by:

R S ROUSE  
**Operations Manager**

## ASHBURTON DISTRICT COUNCIL REPORT

FILE NO: WW-AI01  
DATE: 3 February 2011  
REPORT TO: Operations  
FROM: Water Services Manager  
SUBJECT: Ashburton Relief Sewer Upgrade Project

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### 6. ASHBURTON RELIEF SEWER UPGRADE PROJECT

#### 6.1 SUMMARY

The Ashburton Relief Sewer (ARS) is a trunk sewer main that commences from Creek Road at Saunders Road and ends at the grit chamber at Trevors Road, a total length of 4,920m.

Computer modelling of the Ashburton wastewater network identified that the section from Bridge Street to the grit chamber was exceeding design capacity and upgrading was necessary in the next few years. Investigations completed last year now confirm that the ARS upgrading should proceed as programmed in the 2012/13 year.

The purpose of this report is to seek approval of the recommended upgrade option and bringing forward some of the budgeted project expenditure from 2012/13 year into the 2011/12 financial year to allow for consultation, detailed pipeline alignment investigations, design and land access arrangements to be completed.

#### 6.2 RECOMMENDATION

- “1. That Option 3 - Construct new pipeline on the south-east alignment is approved for the purposes of consultation prior to detailed design commencing;
2. That the Ashburton relief sewer upgrading proceed subject to negotiation of suitable easements through private property; and
3. That budget provision in the sum of \$110,000 is made in the 2011/12 Ashburton wastewater capital works budget to allow for further design, investigations and land access negotiations to be completed prior to construction in 2012/13.”

#### 6.3 BACKGROUND

The Ashburton relief sewer (ARS) is a trunk sewer main that commences from Creek Road at Saunders Road and ends at the grit chamber at Trevors Road, a total length of 4,920m. The trunkmain comprises rubber ring jointed reinforced concrete pipe and ranges in size from 300mm to 450mm in diameter.

Computer modelling of the Ashburton wastewater network (undertaken in 2008) identified that the section of the ARS from Bridge Street to the grit chamber has limited remaining capacity with modelled peak wet weather flows (PWWF) indicating surcharging along long lengths and overflows at some locations. This is supported by maintenance history.

A detailed investigation into the ARS was programmed as part of the 2009-19 Community Plan for completion in year 1 (2009-10), and the project for upgrading the ARS was programmed for year 4 (2012/13) at a then estimated cost of \$6.1M.

The purpose of the investigation was to identify upgrade options to address the capacity issues and recommend a preferred option. It was also requested that the timing of the upgrade be confirmed. Option development proceeded with the intent also of maximising the servicing potential of any new infrastructure.

The investigation work was completed last year by our engineering service provider and results presented as an issues and options report finalised in October 2010. A copy of the report is available on request.

The following issues have been identified:

- Groundwater infiltration creates a significant dry weather base-flow within the ARS catchment. It is considered that while the ongoing wider pipeline renewal programme will continue to reduce the level of infiltration loading over time, the additional capacity yielded by infiltration reduction will not meet the future servicing requirements of the catchment.
- Given the concern over the capacity of the ARS, recent developments have been directed to find solutions in order to gain access to the network. For example:-
  - The discharge from the pump station servicing the Braebrook development off Tuarangi Road has controls to prevent discharge during wet weather, and diverts flows to emergency storage during these times.
  - The pump station for the Lochlea (previously Brandon) development off Racecourse Road has been designed to pump out of the ARS catchment.
  - The discharge from the Ashburton Business Park pump station is conveyed to the ARS via a buffering tank in Bridge Street to reduce peak flows.
- Future development identified in the Ashburton Development Plan will significantly increase the size of the catchment contributing to the ARS exacerbating the current issues.
- Some of the future development areas signalled through the Ashburton Development Plan are to the south-east and down-gradient of Trevors Road. At present, these areas can only be serviced by pumped means.

The results of the investigations confirm the need to provide additional capacity to service the current and future ARS catchment. The report summarises by stating *“The ARS stands out, as the pipeline already suffers from surcharging. Sections of DN375 that have less than 100L/s capacity are currently causing a restriction which means the ARS surcharges during peak wet weather flow. An upgrade of the pipeline downstream of Bridge Street is required as soon as possible to address surcharging.”*

## 6.4 OPTIONS & RISKS CONSIDERED

The following options have been identified and considered in the issues and options report. Please refer to the maps showing pipeline alignment options. **Pages 35-38**

For all options it is possible and considered appropriate to stage the upgrading works. The first stage addresses the immediate capacity concerns for the catchment and will provide for the initial development servicing requirements over the next 10 years. Stage 2 of each option can be deferred beyond this timeframe subject to development drivers.

### Option One – Construct new pipeline on existing alignment

This option involves a replacement of the section of the ARS between Bridge Street and the grit chamber. A new grit chamber is required to be constructed adjacent to the existing structure (Stage 1).

Stage 2 covers the upgrading of a section of pipeline below the existing grit chamber.

### Option Two – Construct new pipeline on parallel alignment

This option involves the construction of a new pipeline from the ARS at Bridge Street to the grit chamber. The alignment would be parallel to the existing ARS except for where the existing ARS traverses private property – at this point the new alignment would be via Albert Street and Bridge Street. A new grit chamber is required to be constructed adjacent to the existing structure. The existing ARS would be retained but would convey significantly less flow. (Stage 1).

Stage 2 covers the upgrading of a section of pipeline below the existing grit chamber.

### Option Three – Construct new pipeline on south-east alignment

This option involves the construction of a new pipeline from the ARS at a turning manhole below Bridge Street through private land to the existing pipeline above near the river siphon. The alignment would be approximately 800 to 1000 metres to the south-east of Trevors Road. A new grit chamber will be constructed adjacent to existing pipeline near the river siphon. The existing ARS would be retained but would convey significantly less flow. (Stage 1).

Stage 2 covers the construction of a new pipeline from Stage 1 pipework at Albert Street through private property to and along Smithfield Road to Bridge Street.

	<b>Option 1</b>	<b>Option 2</b>	<b>Option 3</b>
<b>Description</b>	Construction of new pipeline on existing alignment. (Note: Replaces existing pipe).	Construction of new pipeline on parallel alignment (deviation Albert St to Bridge St).	Construction of new pipeline on new alignment south-east of Trevor Rd.
<b>Estimated Costs</b>			
Construction Stage 1	\$ 4,660,000	\$ 4,060,000	\$ 3,350,000
Construction Stage 2	\$ 1,370,000	\$ 1,370,000	\$ 2,870,000
<b>Total Cost Exc GST</b>	<b>\$ 6,030,000</b>	<b>\$ 5,430,000</b>	<b>\$ 6,220,000</b>
<b>Advantages</b>	<ul style="list-style-type: none"><li>• No additional land access is required.</li></ul>	<ul style="list-style-type: none"><li>• Existing ARS is retained.</li><li>• Existing ARS remains operational during construction of new pipeline.</li><li>• No additional land access is required.</li></ul>	<ul style="list-style-type: none"><li>• Existing ARS is retained.</li><li>• Existing ARS remains operational during construction of new pipeline.</li><li>• Lowest initial cost for Stage 1.</li><li>• Provides greatest likelihood of gravity servicing for development south-east of Trevors Road.</li></ul>

			<ul style="list-style-type: none"> <li>• Stage 2 increases servicing potential toward north-east Ashburton.</li> <li>• Reduces number of pump stations eventually vested in Council.</li> </ul>
<b>Disadvantages</b>	<ul style="list-style-type: none"> <li>• Replaces a pipeline which has 15-20 years remaining life in terms of asset condition.</li> <li>• Most expensive initially for stage 1.</li> <li>• Developments south-east of Trevors Road will require multiple pump stations (up to 6) to service these areas. Estimated at an additional \$1.32M.</li> <li>• Bypass pumping of wastewater flows would be required during construction adding additional construction risk.</li> </ul>	<ul style="list-style-type: none"> <li>• Developments south-east of Trevors Road will require multiple pump stations (up to 6) to service these areas. Estimated at an additional \$1.32M.</li> <li>• Council would assumed responsibility for any new pump stations including funding</li> </ul>	<ul style="list-style-type: none"> <li>• Highest overall cost to complete project.</li> <li>• Requires negotiation for land access for pipeline easements location of new grit chamber.</li> </ul>

The initial cost of Option 3 (Stage 1) is lower than the other options, but has the highest capital cost once Stage 2 is considered. However, the primary advantage with this option is that it provides the greatest gravity servicing potential for the areas of land identified for future development to the south-east and north-east of Ashburton. If these areas can be serviced by gravity means, then there will be fewer pump stations to be operated, maintained, depreciated, and periodically replaced in perpetuity.

The initial costs of stages 1 for Options 1 & 2 are higher than Option 3 but lower overall. Options 1 & 2 can be sized to provide capacity to service those areas south-east of Trevors Road, but investigation indicate that up to six additional pump stations may be required to service the area at a estimated additional cost of \$1.32M.

Note-: If upgrade options 1 or 2 were adopted by Council, the cost of providing pump stations would be incurred by the private developers, however as noted above Council would assume maintenance responsibility for operation, maintenance and replacement of these assets upon vestment. This is undesirable and should be avoided if possible.

The recommended option is **Option 3**. This upgrade option addresses the immediate capacity issues and provides for the greatest overall servicing potential.

## 6.5 STATUTORY IMPLICATIONS

Not applicable.

## 6.6 CONSULTATION

The Ashburton Relief Sewer preliminary investigation and upgrade projects were included in the 2009-19 Community Plan. The Community Plan was the subject of significant consultation.

Subject to committee approval of the recommendation, preliminary consultation will proceed with property owners in the general area introducing them to the project and giving them the opportunity to raise any concerns they may have.

Detailed consultation will commence in 2011/12 year with individual affected landowners in conjunction with detailed investigations of preferred alignments. This consultation will also include negotiation of land access and easements where necessary.

## 6.7 STRATEGIC LINKS

Approval of the recommendations contained in this report is consistent with Outcomes and Strategic Objectives outlined in the Community Plan. In particular;

**Outcome 1: A thriving and diverse local economy that provides the foundation for a quality lifestyle.**

*Strategic Objective. Our community has access to quality infrastructure (roading, water, footpaths, wastewater and storm water) that is efficient and reliable (Priority Objective).*

**Outcome 2: A thriving and diverse local economy that provides the foundation for a quality lifestyle.**

*Strategic Objective. Water, land and air are managed sustainably (Priority Objective).*

## 6.8 FINANCIAL

The ARS upgrading project was originally budgeted in the 2012/13 year at a total budget cost of \$6.1M. The investigations undertaken confirm that commitment to this level of expenditure is now no longer necessary at this point.

The immediate budget requirement is limited now only to the Stage 1 cost of \$3.35M of which it is desirable to bring forward to 2011/12 approximately \$110,000 in engineering fees to allow for detailed pipeline alignment investigations, design and land access arrangements to be completed.

The financial implications arising from the recommendations contained in this report are summarised in the table below:

Ashburton Wastewater Capital Programme	2011/12	2012/13	2013-19
Original Budgets	\$ 0	\$ 6,100,000	\$ 0
Revised Budgets	\$ 110,000	\$ 3,240,000	\$ 0*

\*Subject to Stage 2 not being required due to timing of development.

It is envisaged that stage 2 can be deferred up to 10 years subject to development drivers, however, the timing of stage 2 works will be considered and confirmed as part of the 2012/22 Long Term Plan.

Prepared By:

A R GUTHRIE  
Water Services Manager

Approved by:

R S ROUSE  
Operations Manager

## **7. ACTIVITY REPORTS**

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### **7.1 GENERAL**

#### **7.1.1 Financial Reports**

Financial reports for the period 1 July 2010 to 31 December 2010 are attached.

*Pages 39-49*

#### **7.1.2 Ashburton Business Estate**

Work on Stage 2 is nearing completion. This work primarily relates to completing the road connection to Company Road.

#### **7.1.3 Professional Services Contract**

The preparation of the contract for Professional Services has required more work than anticipated. This has impacted on the programme. Documents will now be forwarded to consultants who registered an interest in the contract in February. This delay will not affect the contract commencement date of 1 July 2011.

#### **7.1.4 Stockwater Consent Replacements and Rakaia Water Conservation Order**

Work on the above is progressing as reported previously. There are no issues.

#### **7.1.5 2011 / 2012 Budget**

The draft 2011 / 2012 budget has been prepared.

#### **7.1.6 2<sup>nd</sup> Bridge across the Ashburton River**

Technical investigation and social impact assessment work for a second bridge across the Ashburton River is now complete.

A workshop with Councillors was held on 3 February to present the findings of this additional work. An "in committee" report and recommendations will be considered at an extraordinary meeting of Council on 17 February. The information and recommendations will remain "in committee" until affected stakeholders and other parties have been contacted and the options discussed prior to any information being made public.

#### **7.1.7 Water Transfer Consent Application**

Further discussions have been held with Environment Canterbury regarding the water transfer resource consent application. ECan have advised that they are prepared to receive a draft application and that they would be happy to work with us as the application documentation is being prepared. This will ensure that all of the required information is considered and presented at the time of lodgement.

#### **7.1.8 Mount Hutt Riverbank Stockwater Supply Investigation**

Discussions with representatives from the Mount Hutt Riverbank Stockwater Supply group have been held to present the results of the investigation report and provide them with copies of the final update. In summary the investigation determined the following:

- The proposal appears to be feasible using pipes ranging in size from 40mm to 150mm in diameter
- The scheme will be operated and maintained by the MHRWS group.
- The estimated cost is \$950,000 including a 15% contingency sum.

- Indication that if the scheme proceeds the group would prefer to make arrangements for the design and construction of the scheme.
- The investigation work has been carried out on the basis of the scheme being for the supply of stockwater.
- If Council was involved in the scheme as either a funder or potential “user” of the scheme, Council would require “design approval”.

The group will now carry out the following:

- Confirm the number of properties that are likely to be interested in committing to the scheme and advise our service providers accordingly.
- Confirm they are happy with the results and direction of the report provided.
- Confirm how they see the design and construction phases of the project progressing.
- Confirm their preferred scheme management structure.

Council will carry out the following:

- Identify any Council involvement in the scheme, eg supplementing the Methven Water Supply.
- Subject to approval of the above, proceed with formalising Council approval to transfer water to the MHRWS group.

## **7.2 ROADING**

### **7.2.1 State Highway Work 2010/11**

Work has been completed on these overlay sections south of Hinds:

- A 490m area wide pavement treatment on SH1 at Old Main South Rd south of Hinds. This work will incorporate the closing of Old Main South Road
- A 930m area wide treatment on SH1 north from Frisbies Road south of Hinds
- Fulton Hogan Ltd have been successful with the annual resurfacing contract which is due to be completed by mid March 2011
- As part of the resurfacing contract FH have applied a thin asphaltic surfacing to the following parts of SH1:
  - East St/West St intersection
  - Havelock St to Moore St
  - Dobson St to East St

Work currently in progress is as follows:

- A 1,420m area wide treatment south of Giddings Road on SH1, awarded to FH and due for completion mid March 2011.

### **7.2.2 Crash Reports**

A record of crashes that have occurred in Ashburton district on state highways and local roads since last report is appended. **Page 50**

### **7.2.3 General Maintenance**

Pre-seal pavement repairs on sections of road programmed for resealing are 80% complete with Fulton Hogan staff currently working on McLennans Bush Road in the northwest area of the district. In addition, edge break and pothole repairs have been completed on Seafield and Cochranes Roads with crews currently working on the Mayfield Valetta Road.

Maintenance of unsealed roads is continuing with the contractor's graders working around Staveley, Hinds, Hatfield and Rakaia areas.

The contractor has also been clearing vegetation, both to enhance visibility at several locations and also clearing trees which are still coming down on and near roads following the strong winds late in 2010.

The subsidence in the middle of Ashburton Gorge Road has been repaired, allowed to consolidate and resurfaced. The work appears to be holding up well.

Large boulders have been removed from the bluff above Freezing Point on Ashburton Gorge Road. These rocks were part of a rock slide immediately before Christmas that had the potential to come down on the road at any stage in the future posing a significant hazard to motorists. Flood damage to Boyds Road was repaired with maintenance metal and flood damage repairs were made to Whiskey Creek on Double Hill Run Road.

#### **7.2.4 Area Wide Pavement Treatment**

Contract C573 - Sealed road rehabilitation 2010/11. Paul Smith Earthmoving has completed work on the Longbeach Road, three sections of Arundel Rakaia Gorge Road between "Scotts Corner" and Anama Station Road and the section of Ashburton Gorge Road through Mt Somers. The contractor will be commencing the rehabilitation of Moore Street beginning in early February.

#### **7.2.5 Major Drainage Control**

C568 - New and replacement kerb and channel and footpath, Ashburton District 2010/11 has been let to ACL.

The roadside drainage improvements contract let to Junction Contractors Ltd from Greymouth commenced on Tuesday 26 October 2010 and was completed by 18 December 2010. Further work will be undertaken on unsealed roads to form new swales.

#### **7.2.6 Reseals of District Roads**

Contract C592 - reseals and pre-seal repairs, 2010/11. Ashburton Contracting have now completed approximately 80% of the total contract schedule and have made good progress to date. The remainder of the standard seals and the bitumen emulsion sealing and polymer modified bitumen sealing are programmed to be carried out during February. The work is anticipated to be completed well before 11 March 2011 contract completion date.

#### **7.2.7 Bridges**

The 2010/11 replacement of bridge 30 (Double Hill Run Road – Double Hill Stream No 1), upgrades of Bridges 48 and 65, and the replacement of bridge 146 on Osborns Road was tendered with tenders closing on 7 December. The tender has been evaluated; extra funding from NZTA sourced and will shortly be let under delegated authority.

Additionally if funding permits and resource consents can be obtained, two further bridges will be replaced by culvert constructions. These are Bridges No.156 Wheatstone Road, water race and No.75 McLennans Bush Road, un-named creek.

#### **7.2.8 Street Cleaning**

Routine cleaning is being carried out to programme. All reported incidents of detritus and undesirable material left on road carriageways or berms, and any blockages of surface water run-off were attended to. Council receives a significant number of calls from residents and motorists reporting dead animals on roads, streets and footpaths and these are collected and disposed of by the roading contractor as a Street Cleaning issue.

### 7.2.9 Traffic Services

Routine maintenance of road signs and traffic services continues as part of the Road Maintenance contract throughout the district.

Total numbers of signs affected during November and December and for the previous 10 months are:

	Jan/ Feb	Mar	Apr	May/ Jun	Jul	Aug/ Sep	Oct	Nov/D ec	Total 12 months
Replace broken signs	29	18	24	26	12	39	19	33	200
Replace missing signs	31	29	8	13	5	17	9	22	134
Replace or upgrade signs	11	10	11	52	9	9	3	9	114
Replace marker posts	131	113	7	85	-	64	-	113	513
Totals	202	170	50	176	26	129	31	177	961

Contract C556 – Maintenance of Road Markings 2009 – 2012. Operation of this contract continues with the maintenance of Pavement Marking on sealed roads District wide.

### 7.2.10 Carriageway Lighting

Contract C583 – Operation and Maintenance of Streetlights 2010-2011. Electricity Ashburton are continuing with maintenance work and operation of Council's street lights. All defective street lights reported by residents or members of the public are notified to the contractor by means of CRM's and these are dealt with promptly.

### 7.2.11 Minor Improvements

Below is a list of projects proposed under the Minor Improvement Programme for 2010/11:

- Intersection upgrade – Cracraft Maronan Road/Trevors Road/Barnswood Road/Lismore School Road/Stonylea Road. It is envisaged that this will be included in the same contract as –
- Intersection upgrade – Hinds Arundel Road/Trevors Road and Withells Road. This work was deferred from 2009/10 to allow a large irrigation pipe to be installed beneath the proposed intersection.
- Upgrade signage and parking on Dorie School Road for Dorie School and the Pre-school.
- Sealing of up to 8 unsealed intersection approaches.
- Sealing the unsealed approaches to two single lane bridges.

The total estimated cost for the above is \$600,000 from a total available budget of \$793,000.

Due to the expected timeframe required to gain the necessary resource consents the Mayfield Hinds Irrigation Company have advised that the construction of the irrigation pipe under Trevors Road is likely to be undertaken late in the season. Accordingly our minor improvement work planned for this intersection may be delayed. We are currently investigating what alternatives we have to progress this work.

### 7.2.12 Seal Widening

The remaining section of Bremners Road widening will be tendered with the Glassworks Road intersection upgrade. It is also planned, funds permitting to have this section of Bremners Road overlaid and strengthened. It is possible savings will be available within the current rehabilitation contract with Paul Smith Earthmoving. If this proves the case then the above works are planned to commence late February 2011.

### **7.2.13 New Roads**

Contract C574 - Dobson St West construction. The new road linking the existing section of Dobson Street with Robinson Street in the Riverside industrial area has been completed. The completion of the kerb and channel past the ACL yard will not be undertaken until Electricity Ashburton decommissions the high voltage electricity line, the stabilising ties for which extend into the proposed line of the new kerb. Construction of stormwater disposal into the unnamed stream running through the site, and into soak pits on site, is delayed pending the issue of resource consent from ECan, although the temporary situation of running the stormwater through an oil interceptor and a soak pit appear to have coped well with the heavy rains experienced between Christmas and New Year.

### **7.2.14 New Kerb & Channel and Footpaths**

Contract C568 – new and replacement kerb & channel, 2010/11. Work on the new kerb and channel on South Belt, Rakaia, was completed prior to the Christmas break as requested by the Rakaia community. The relocation of the pedestrian crossing on MacDonald Street, Methven will be completed prior to school recommencing. Normanby Street in Rakaia is also complete.

The other sections of new kerb and channel in Mt Somers, Rakaia, Hinds and Fairton, new and replacement kerb and channel and new footpath in Methven and replacement kerb and channel and new footpath in Ashburton will be progressively completed over the next three months.

### **7.2.15 Footpath Resurfacing 2009/10**

Contract C595 “Footpath Resurfacing, Ashburton District 2010/11”. This contract has been let to Fulton Hogan and work has commenced in Rakaia with Mackie Street, Dunford Street and one section of Rolleston Street completed to date, and Galbraith Street and Saunders Road in Ashburton completed.

### **7.2.16 Footpath Maintenance**

Ongoing routine maintenance and cleaning of the urban footpaths continues.

### **7.2.17 Minor Township Maintenance Contracts**

Normal operations continue for the Rakaia contract.

### **7.2.18 Public Conveniences**

No major issues to report.

### **7.2.19 Professional Services Contract**

Work continues on the projects required under contract C582.

### **7.2.20 Strategic Documents**

Roading is currently reviewing final drafts of:

- Transportation Network Activity Management Plan version 5 – 2010
- Safety Management Strategy

These will be presented to Council for approval at the March meeting.

## 7.3 WATER SUPPLIES

### 7.3.1 General

The schemes are operating satisfactorily.

### 7.3.2 Water Restrictions

Water consumption on the schemes continues to be monitored. The 7 day average demand on the Ashburton scheme reached the trigger point for restrictions in early December.

Following continued high consumption and loss of supply on 23 December to the Lake Hood water supply, the water restriction level for this scheme was raised to Level 2 – Time Restricted (alternate days).

Scheme	Relative Movement & Dates of Restrictions		
Ashburton	■ L0	↑L1 – 4/12/10	
Chertsey	■ L0	↑L1 – 4/12/10	
Dromore	Permanent Hosing Ban		
Fairton	Permanent Hosing Ban		
Hakatere	■ L0	↑L1 – 4/12/10	
Hinds	■ L0	↑L1 – 4/12/10	
Lake Hood	■ L0	↑L1 – 4/12/10	↑L2 – 24/12/10
Mayfield	■ L0	↑L1 – 4/12/10	
Methven	■ L0	↑L1 – 4/12/10	
Mvn Springfield	Permanent Hosing Ban		
Montalto	Permanent Hosing Ban		
Mt Somers	■ L0	↑L1 – 4/12/10	
Rakaia	■ L0	↑L1 – 4/12/10	
Winchmore	Permanent Hosing Ban		

Notes:- L0 = **Normal**, no restriction; L1 = **Alternate Days**; L2 = **Time Restricted** (alternate days); L3 = **Hand Held Hosing** (time restricted, alternate days); L4 = **Hosing Ban**; and L5 = **Water Conservation Notice**.

### 7.3.3 AM-AK10 Water Pipeline Renewals, Ashburton, Methven & Mt Somers 10/11

This contract covers the renewal of 1,729m of watermain and installation of 326m of new rider mains in Ashburton, Methven and Mount Somers.

This contract is being undertaken as two separable portions. This gives all of the normal flexibility afforded by a contract in its own right i.e. separate completion dates and ability to apply liquidated damages for late completion of each (if necessary). The separable portions are as follows:

#### Separable Portion 1

- Racecourse Road, Ashburton – Galbraith Street to West Street
- Brucefield Avenue, Ashburton – Princes Street to show-grounds

#### Separable Portion 2

- Methven Chertsey Road, Methven – Mackie Street to Line Road
- Hoods Road, Mount Somers – Midway Hoods Rd to Arundel Rakaia Gorge Road

Work commenced on Methven Chertsey Road on 6 December 2010. Pipe laying, testing and trench reinstatement was completed on 21 January. Work commenced on Brucefield Avenue on 24 January. The forecast completion date for this section is 11 March.

The due date for contract completion for separable portion 1 and 2 are 27 May and 29 April 2011 respectively.

#### **7.3.4 Ashburton**

##### **Ashburton Upgrade - Tinwald Borefield**

The Tinwald Borefield project includes the drilling and commissioning of a production bore, construction of a treatment plant, and construction of a pipeline from the plant to the nearest larger sized pipeline within the Tinwald reticulation.

A meeting was held on 21 December on site between our engineering service provider, a representative of the Tinwald Reserves Board and three members of the Vintage Rail Group. The location for the treatment building and rising main were agreed on-site. Further concept drawings showing the final layout are to be provided to the Reserves Board for formal approval.

##### **Ashburton Upgrade – Ashburton Domain Bore No:6**

The Ashburton Domain Bore No: 6 project covers the drilling and commissioning of a new bore in the Ashburton Domain.

The bore was successfully commissioned on 30 November. All site works are now complete.

##### **Ashburton Upgrade – Ashburton Domain No:7**

This project involves the drilling of a third deep bore at the Ashburton Domain. Water was encountered at approximately 90m. This was screened but preliminary pump tests did not yield favourable flow rates so the screen has been removed. Authorisation has been given to explore to a maximum of 135m. As at 25 January the drilling was at 120m.

#### **7.3.5 Hakatere**

##### **Water Supply Upgrade**

This project covers the upgrading of the treatment system to meet the protozoal compliance criteria of the Drinking Water Standards for New Zealand (DWSNZ) and provision of additional storage on the scheme.

The turbidity meter installed post treatment has allowed data collection that is assisting in confirming the final treatment configuration and design.

#### **7.3.6 Mayfield**

##### **Water Supply Upgrade – Private Bore Testing**

The test results from the step drawdown and constant rate discharge testing have been provided to a specialist groundwater/hydrogeology service provider for analysis. The report on the analysis has been received, and is being reviewed by staff.

A report will be submitted to Council on 3 March outlining the future direction of the upgrade.

#### **7.3.7 Methven**

##### **Water Supply Upgrade**

At its 2 December meeting, the Operations Committee approved a recommendation to extend the filtration pilot trial for an additional three months. The project completion date has been extended to 16 December 2011.

### **7.3.8 Rakaia Settlement Water Supply (Servicing Investigation)**

In accordance with decision by the water subcommittee, an investigation has been undertaken on a water supply to service part of the Rakaia Settlement. The area being looked at is the area of life-style properties serviced by the Barrhill Rakaia stockwater race bordered by Hardys Road, Wolseley Road, Johnston Road and Baker Road.

The investigation identified two options that are considered feasible. The options are: a standalone scheme; and supplying the area from the existing Rakaia water supply.

At its 16 December meeting, Council considered the results of the investigation and approved a recommendation to use the results of the investigation as a basis of consultation with the affected parties. Although both options will be identified in the consultation material, the preferred option for the purposes of consultation is supply from the Rakaia scheme.

The consultation material is being finalised and is expected to be sent to property owners in the affected area on or about the end of January.

### **7.3.9 Winchmore**

#### **Winchmore Scheme Future**

A letter to the Chief Executive has been received confirming the scheme users desire to take over the water supply scheme. Advice on the statutory process to be followed to achieve this is being sought.

A report is to go to an extraordinary meeting of Council to commence the statutory process on 3 February.

## **7.4 WASTEWATER**

### **7.4.1 General**

The schemes are operating satisfactorily.

### **7.4.2 Ashburton**

#### **• Ashburton relief sewer upgrade project**

The Ashburton relief sewer (ARS) is a trunk sewer main that commences from Creek Road at Saunders Road and ends at the Grit Chamber at Trevors Road, a total length of 4,920m.

Investigations have confirmed that the section between Bridge Street and the grit chamber needs to be upgraded in the next few years.

The results of the investigation and options for the upgrade are the subject of a standalone report.

#### **• Inline effluent screen**

This project involves the installation of an automatic inline screen on the treated effluent pipework prior to the irrigation pumps at Ocean Farm.

Information on the general arrangement of the filter location has been received by our engineering service provider from the original system designer. A quote for the supply of the screens has been received. A recommendation regarding the proposal has been received and staff are currently working through internal approvals.

#### **• Maturation pond outlet screen**

This project involves the installation of a screen on the outlet structure on the maturation pond (Pond 4) at Wilkins Road.

Our engineering service provider has finalised the concept design. Discussions have been held with the operations and maintenance contractor regarding the operation and maintenance of the screen. Some minor design changes and further detail are required prior to submitting to the contractor for pricing.

- **Pump station portal building**

This project covers the construction of a portal framed building over the irrigation pump station at Ocean Farm.

Our engineering service provider is finalising the design to match the inline screen configuration. Once the inline screen proposal is confirmed, drawings and contract documentation will be finalised.

- **Irrigation bore supply**

This project covers the drilling of up to two bores on Ocean Farm to augment the irrigation system during summer months when flows of treated effluent are lower.

Drilling of the bore commenced on 25 November 2010. The bore has been drilled to 54m with a static water level of 4.8m. Preliminary testing to date suggests that the one bore will yield the desired 40L/s.

The well drilling rig returned to site on 17 January to complete the installation of the screen.

### 7.4.3 Ocean Farm

- **WW-AG11, Removal of standing grass from Ocean Farm – Terrace Rd, Ashburton**

This contract is a three year contract which commenced last year (2009/10). It is subject to negotiation and renewal on an annual basis (ie 1+1+1) which was completed in early October.

Harvesting of grass commenced on 10 October, and to date the following blocks have received their second harvest of the season: A, B, C, E, F, G, I, K, M, N. The harvest yield to date is 1,181,624 kgDM.

### 7.4.4 Methven

#### **Wastewater Pipeline Renewal**

This project involves replacing an existing 150mm diameter glazed earthenware (GEW) sewer pipeline, located between Main Street and McMillan Street running from The Mall to South Belt that has reached the end of its useful life.

A section of this pipeline in properties between 77 and 81 Main Street was replaced in late September under emergency works. Reinstatement of fences was completed prior to Christmas.

Consultation material is currently being prepared for affected property owners/occupiers by the remaining programmed replacement works. The brochure will detail the work completed to date, the remaining sewer replacement work to be done and associated physical work options.

### 7.4.5 Rakaia

- **Centre pivot rut filling**

Treated effluent at the Rakaia WWTP is disposed to land by irrigation through a centre pivot irrigator. Over time, the irrigator has created wheel ruts which need to be filled to prevent damage to the irrigator and agricultural machinery during grass harvest.

The filling of ruts in both blocks was complete on 19 December.

- **WW-AG12, Removal of standing grass from Rakaia wastewater treatment plant – Acton Road, Rakaia**

This contract is a three year contract which commenced last year (2009/10). It is subject to negotiation and renewal on an annual basis (i.e. 1+1+1) which was completed in mid November.

Harvesting of grass commenced on 4 December, and to date the North block has received its first harvest of the season. The harvest yield of this block was 47,378 kgDM.

## **7.5 STORMWATER**

### **7.5.1 General**

The schemes are operating satisfactorily.

### **7.5.2 Ashburton**

#### **Chalmers Avenue Gross Pollutant Trap**

This project covers the installation of a proprietary device at the end of the Chalmers Avenue stormwater drain to capture and remove trash and sediments from stormwater prior to discharge to the Ashburton River.

Our engineering service provider carried out a site visit and is continuing investigation into which device will be the best option for the site. Design is to be complete in March 2011.

### **7.5.3 Ashburton Urban Stormwater Strategy**

This project covers the investigation and implementation of the Ashburton Urban Stormwater Strategy (AUSS). Works programmed for this year include flow monitoring; rainfall data capture; stormwater manhole survey; and surveying of Mill Creek; Carters Creek & Lagmhor Creek.

- **SW-AD10, Stormwater survey for AUSS investigations 2010/11**

The survey work of the Ashburton stormwater network commenced on 22 November 2010. The results of the survey work are currently being processed. It is likely that some additional work is required to capture some additional open drains within the stormwater network.

- **SW-AD11, Stormwater flow monitoring for AUSS investigation 2010/11**

The flow monitoring is complete and has captured suitable wet weather events. The rain gauge information is to be provided to our engineering service provider prior to the removal of the flow monitors.

### **7.5.4 Mill Creek**

- **Bank stabilisation 2010/11**

This project covers the bank stabilisation at a number of properties along Mill Creek. Treatment systems may vary depending on location but generally timber lining is used where access permits. Concept designs have been developed and a meeting is to be held with a contractor to discuss access, construction methods and bank stabilisation options.

## **7.6 STOCKWATER**

### **7.6.1 Network**

The network has experienced variable river levels and flows commencing prior to Christmas and through the month of January.

A flood event on 26 and 27 December, on the Rangitata River, caused significant damage to the Cracroft intake destroying the groyne structure and has resulted in the shifting of the main river channel to the north and eroding the river bank allows access to the intake.

Emergency reinstatement work commenced once river flows reduced to a level to allow safe access to the area, but subsequent high country heavy rain events have impeded further work. The Pudding Hill, Methven auxiliary and McFarlane Terrace intakes all required reinstatement work to be carried out during this period.

### **7.6.2 Race Applications / Closures**

Since 1 July 2010, a total of 63 applications have been received, with three applications awaiting further information. The remainder have been approved.

Race closure measurements have been undertaken using measurements derived from the Council's GIS and indicate completed closures at 258,320 metres.

The Maronan Road race closure was completed on 23 December.

### **7.6.3 Bylaw Enforcement**

Since 1 July 2010, a total of 52 verbal bylaw notifications have been issued, largely associated with "stock in races" as dairy herds are rotated around farm paddocks.

A \$500 instant fine has been issued to a recidivist offender for dairy stock in the stockwater race. This is the second instant fine issued since 1 July.

### **7.6.4 Barrhill Rakaia Stockwater Race – Partial Closure Investigation**

The Water Subcommittee requested that an investigation be completed into options to partially close the Barrhill Rakaia stockwater race. The aim was to identify an option that would allow Council to progress closure of the race through those properties that no longer wanted it.

A draft report has been received and staff are currently reviewing it. A detailed report will be submitted to Council on 3 March.

## **7.7 SOLID WASTE**

### **7.7.1 Ashburton Resource Recovery Park**

Feedback from the public continues to be positive and Mastagard are happy with the management and operation of the park.

The education programme is due to commence in February and the approved education material is currently being printed. The education centre building has been remodelled with banners, posters and display material.

The remaining building owned by the previous contractor has now been removed and development of the outside area for reuse items has commenced.

### **7.7.2 Residual waste management at the Ashburton Resource Recovery Park**

Residual waste management at the Ashburton Resource Recovery Park is operating well with tonnages of 19.63tonne (20 t max) being achieved in December per container load to Kate Valley.

Materials recovered from the residual waste disposal area are down as Mastagard are awaiting the arrival of a purpose built loader designed to perform this task. This machine is due to be on site in early February.

<b>Tonnes of materials recovered from the residual waste disposal area in 2009/2010</b>			
<b>2009/10</b>		<b>2010/11</b>	
<b>July</b>	3.00	<b>July</b>	9.12
<b>August</b>	4.78	<b>August</b>	7.74
<b>September</b>	3.82	<b>September</b>	5.52
<b>October</b>	3.01	<b>October</b>	3.20
<b>November</b>	5.88	<b>November</b>	5.48
<b>December</b>	6.76	<b>December</b>	5.85
<b>January</b>	7.74	<b>January</b>	
<b>February</b>	7.12	<b>February</b>	
<b>March</b>	7.62	<b>March</b>	
<b>April</b>	6.82	<b>April</b>	
<b>May</b>	8.96	<b>May</b>	
<b>June</b>	9.08	<b>June</b>	

### 7.7.3 Green Waste, Construction & Demolition Waste management at the Ashburton resource recovery park.

<b>Month</b>	<b>Green Waste - tonnes</b>		<b>Construction &amp; Demolition - tonnes</b>	
	<b>2010/11</b>		<b>2010/11</b>	
<b>July</b>	-		-	
<b>August</b>	-		-	
<b>September</b>	-		-	
<b>October</b>	98.00		29.8	
<b>November</b>	102.06		30.48	
<b>December</b>	100.30		35.70	
<b>January</b>				
<b>February</b>				
<b>March</b>				
<b>April</b>				
<b>May</b>				
<b>June</b>				

There are no comparisons available as the previous contract for green waste and construction and demolition materials was paid on a monthly lump sum for the management of the facilities and not on a per tonne basis.

### 7.7.4 Refuse and Recycling Kerbside Collection

Quantities of residual waste and recycling materials collected from kerbside are indicated in the table below:

<b>All Areas in 2009</b>	<b>Kerbside - tonnes</b>		<b>Litter Bins - tonnes</b>		<b>Total Residual Waste- tonnes</b>		<b>Recycling - tonnes</b>	
	<b>2009/10</b>	<b>2010/11</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2009/10</b>	<b>2010/11</b>
<b>July</b>	153.72	174.07	8.36	7.7	162.08	181.77	103.30	113.06

<b>August</b>	147.82	154.64	6.70	7.58	154.52	162.22	107.30	122.52
<b>September</b>	150.10	156.32	7.04	6.78	157.14	163.10	108.40	128.40
<b>October</b>	147.37	140.48	6.46	7.38	153.83	147.86	118.89	124.16
<b>November</b>	154.36	152.47	4.66	7.44	159.02	159.91	123.02	128.96
<b>December</b>	172.34	190.55	8.56	8.22	180.90	198.77	156.60	147.94
<b>January</b>	155.74		9.64		165.38		114.82	
<b>February</b>	153.06		9.90		162.96		121.66	
<b>March</b>	170.96		7.02		177.98		128.36	
<b>April</b>	160.82		9.72		170.54		121.02	
<b>May</b>	163.16		8.08		171.24		108.62	
<b>June</b>	156.06		7.12		163.18		115.56	

Mastagard have been working closely with the kerbside collection contractor to educate staff and the public regarding acceptable items for recycling. The residual waste % in the kerbside sorted recyclable materials for October was 6%. The percentage of residual waste in December decreased to a notable 2.3%.

### 7.7.5 Waste Minimisation

<b>Tonnes of Recyclable Materials Processed</b>	<b>2009/10- tonnes</b>	<b>2010/11- tonnes</b>
<b>July</b>	381.3	340.6
<b>August</b>	355.8	486.8
<b>September</b>	352.3	735.0
<b>October</b>	390.6	400.3
<b>November</b>	410.8	272.4
<b>December</b>	428.9	376.4
<b>January</b>	426.7	
<b>February</b>	323.3	
<b>March</b>	367.0	
<b>April</b>	445.4	
<b>May</b>	393.5	
<b>June</b>	372.5	

Recycling materials transported off site are shown on the attachment.

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### 7.7.6 General Recycling Management Update

- The 0800 community contact phone is starting to be used by the community with an increasing number of calls received. No complaints were received during December and calls were of a general nature.
- A total of 29.52 tonnes of material was received from Hinds, Mt Somers, Willowby, Mayfield and Methven satellite recyclable materials drop off facilities in December.
- Satellite recyclable material drop off facilities in Rangitata and Hakatere are now in full operation and a further proposed site for a facility in Pendarves has been established and will be the subject of consultation with the district during February.

### 7.7.7 Domestic Hazardous Waste Drop-off at Ashburton Resource Recovery Park

- No hazardous waste was received in December.

### 7.7.8 Transport of waste to Kate Valley

The volume of waste transported to Kate Valley for disposal is shown on the attachment.

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### 7.7.9 Management of Methven residual waste

- **Methven Residual Waste transported to Kate Valley**

Tonnes of residual waste transported to Kate Valley from Methven	2009/10	2010/11
July	13.22	12.78
August	15.54	16.06
September	12.20	12.76
October	12.40	14.87
November	13.30	15.16
December	12.52	15.75
January	12.96	
February	13.30	
March	15.19	
April	12.95	
May	15.04	
June	12.28	

Quantities of refuse continue to remain relatively level and stable.

### 7.7.10 Methven Recyclable Materials Drop-off Facility and CBD Satellite Facility

The recyclable materials drop off facility continues to be well supported with 15.6 tonnes of material being received during December. Increased amounts of cardboard at the drop off facility and plastics from the CBD satellite facility require extra weekly collections to keep up with quantities received.

- **Methven Greenwaste and Inorganic Material Drop-off Facility**

Figures relating to use of the greenwaste and inorganic material drop off facility at Vaughan's Road are shown in this table:

Vehicle numbers at Vaughan's Rd green waste drop off	2009/10	2010/11
July	5	10
August	26	9
September	17	18
October	17	19
November	31	24
December	25	20
January	37	
February	20	
March	21	
April	20	
May	17	
June	20	

### 7.7.11 Rakaia Resource Recovery Park

This contract is operating satisfactorily.

Tonnes of residual waste transported to Kate Valley	2009/10 tonnes	2010/11 tonnes
July	11.18	19.66
August	21.32	8.18
September	14.86	18.74
October	11.86	6.58
November	21.82	6.64
December	13.04	6.97
January	21.02	
February	9.46	
March	16.86	
April	8.38	
May	19.90	
June	8.73	

## 7.8 EMERGENCY MANAGEMENT

### 7.8.1 Fire Season Status

As from midnight 25 January 2011, the restricted fire season on the plains and foothills has been lifted and replaced with an open fire season. The Department of Conservation maintains a 365 day restricted fire season over all state land.

### 7.8.2 Fire Incidents

Fifty two incidents have been attended by rural fire forces from the time of the last Committee meeting and up to 25 January 2011, with a breakdown as follows:

Vegetation	37
Vehicle fires	4
Electrical	4
Medical assist	1
False alarm	1
Rubbish fire	1
MVA	3
Spontaneous combustion	1

Of note with the above fires was an extreme fire day on 21 December, when local fire forces and brigades attended 16 vegetation fires across the district.

On this day the whole of Canterbury was affected by strong NW winds and two significant fires started that required a Regional Incident Management Team response, one near Waimate and the other near Leithfield Beach.

The Ashburton District Council provided assistance at both these events. The PRFO attended the Waimate fire as part of a Regional Incident Management Team in the role of Safety Adviser for two days on 22 and 23 December, and a crew of volunteers attended the Leithfield Beach fire on 23 and 24 December.

### 7.8.3 Digital Radio Replacement Programme

NZ Police is leading a digital radio replacement programme to replace the ageing LMR (land mobile radio) analogue network with P25 based digital network in the Wellington, Auckland and Canterbury regions.

The NZ Fire Service currently shares the NZ Police analogue network and is committed to migrate to the Police digital network using a staggered approach. Wellington will be the first region to be deployed in 2011.

Digital radio network for the rest of the country is not yet approved: it is the subject of a Whole of Government radio network (WGRN) business case due for submission to Cabinet in November 2011. WGRN is currently led by the Police and has a steering committee with representation from Public Protection Disaster Relief (PPDR) and central government agencies.

The new digital system will increase interoperability between agencies and WGRN will fund the provision of the network but individual agencies are expected to fund their own replacement hardware in vehicles as well as where required, any base sets.

The Ashburton District Council has eighteen of these sets in its fleet of fire appliances, tankers, fire stations, command unit and PRFO and DPRFO vehicles. These radios allow ADC fire managers and rural fire forces to communicate with the NZFS and Firecom.

When the NZFS in Canterbury decides to migrate to the new network ADC (and other Canterbury rural fire authorities) will be forced to follow. Timeframes are confusing with estimates from the last quarter of this year to two or more years away, and there are also conflicting reports about the unit cost for the hardware ranging from \$2000 to \$5000.

At this stage there has been no budget allocation but it is likely ADC will need to make provision for this in the 2012-2013 financial year.

#### **7.8.4 Permits**

Twelve fire permits have been issued during the restricted fire season and all those that have been completed have been done so without incident.

#### **7.8.5 Ashburton District High Country Strategic / Tactical Fire Planning**

The final draft of this document is being prepared for Council's approval and will be further reported on 3 March.

#### **7.8.6 Training**

The following rural fire training has been carried out recently:

- Chainsaws 1 and 11 December (12 vols from various fire forces)
- Aircraft safety and heli bucket filling 5 December (26 vols, various fire forces)
- GPS 6 December (15 vols from Mayfield, Mt Somers, Alford Forest FF's)
- Portable pumps (10 vols from Lake Clearwater)

#### **7.8.7 Rural Fire Research Workshop**

The EMO attended this national 2 day workshop in Christchurch on 8-9 December. Numerous papers were presented on rural fire research projects conducted over the previous year and breakout groups discussed how the findings can be best applied to the rural fire environment.

#### **7.8.8 Minister of Internal Affairs and National Rural Fire Officer Visit – Enlarged Rural Fire Districts**

The NRFO again visited Ashburton District RFA, this time accompanying the Minister of Internal Affairs, Nathan Guy, to meet with volunteer firefighters and council members on 26 November to discuss the Fire Service Commissions initiative to promote the establishment of enlarged rural fire districts. This concept involves the merger of smaller rural fire authorities into enlarged rural fire districts across the country for the purpose of efficiencies of scale relating to management and coordination.

### **7.8.9 CDEM Presentations**

The EMO delivered a presentation to approximately 60 pupils from Borough School on 7 December, on the *Get Ready, Get Through* message.

### **7.8.10 CEDM Sector Post Review**

Community consultation documents are in preparation and will be actioned in the near future.

## **7.9 ROAD SAFETY**

### **7.9.1 Return to School**

The new school term starts back at the start of February and although there is no funding available in this area, reminders will be placed in the Council Notices, on the Council Website and editorials will be sent to local media. Information regarding safe travel to schools is already available on the road safety web site.

### **7.9.2 Motorcycles**

A meeting was held on 17 December 2010, with ACC, ECAN, ADC and TDC to further discuss a motorcycle training day. The training day will be held at Levels Raceway in Timaru on Sunday 27 February 2011. A Project Plan has been devised and planning for the event is underway. The aim is to get 40 participants from Mid and South Canterbury.

### **7.9.3 Speed**

The invitation that was sent out to the primary schools in the district to enter the new Road Safety Calendar competition has also been advertised in the Courier. Eight entries have been received at the moment. The calendar has the theme "speed" and the students have been given twelve speed related tips and rules to create a picture for the calendar. The competition has been split into age groups and 4 pictures will be chosen from each group. These will appear in the calendar for 2011 and each winning artist will receive a calendar and a \$40 book voucher. The calendar year will begin at the start of the school term to give the students time to create their designs. The cut-off for designs is 17 January 2011. To further promote the calendar competition, the road safety coordinator spoke to the children at SKIDS (Safe Kids In Daily Supervision) based at Hampstead School.

### **7.9.4 CAAP**

To launch the 2010/11 CAAP summer drink driving campaign, the CAAP team held a "Commitment Day" on Thursday 9 December. The idea was to encourage people to come and sign a form saying they are against drink-driving in our community and want to help keep our district safe. Over 150 people signed the form, which was then printed in the Ashburton Guardian to show the support that that campaign received.

### **7.9.5 Advanced Driver Training**

The Road Safety Coordinator attended an advanced driver training course run Don Elvy at Driver Safety Programs. The course offered is relevant to all drivers. Don Elvy realistically simulated various road scenarios in order that we, as drivers could experience true to life emergency situations and it does so in a safe environment. The impact of the programme targets the issue of driver behaviour and attitudes. The courses are designed to promote Defensive Driver Behaviour.

## 7.10 CONTRACTS AWARDED

NO.	CONTRACT	CONTRACTOR	DATE / VALUE \$	NO. OF TENDERS / RANGE	ENGINEER'S ESTIMATE
AM- AK 10	Water Pipeline Renewals 2010- 2011 Ashburton, Methven & Mt Somers	Ashburton Contracting Limited	30/11/2010  \$432,075.75	N/A	\$481,687.00
C595	Footpath Resurfacing 2010 – 2011	Fulton Hogan Ltd	6/12/2010  \$363,333.10	4  \$363,333 to \$446,737	\$370,864

## 7.11 CUSTOMER SERVICE REQUEST REPORTS

CRM reports for the year to date and the reporting period are attached.

**Pages 53-56**

## 7.12 METHVEN COMMUNITY BOARD

The Methven Community Board will be meeting on 31 January 2011. Minutes of the meeting and any matters for the Committee's consideration will be tabled.

R ROUSE  
**Operations Manager**