

**ENVIRONMENTAL REPORT 2014/15**  
SUB – REPORT

**NON-CLINICAL WASTE**

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This report details the Trust's performance in regards to non-clinical waste production and costs in the 2014/15 financial year, with a comparative analysis of the last 3 years.

## **1.0 CONTRACTS**

There are two regional contracts and one regional framework in place covering all streams of non-clinical waste as detailed below:

- **Regional Contract 2420: Removal, Recycling, Composting &/or Disposal of Non Hazardous Wastes:**
  - Lot 1 - Non-infectious Offensive Waste
  - Lot 2 - Domestic waste & Recyclables
  - Lot 3 - Skips for Bulky Items
  - Lot 4 - Compostable Waste
- **Regional Framework 13623: Removal, Recycling &/or Safe Disposal of Non-Infectious Hazardous Waste:**
  - Waste Electrical & Electronic Equipment (WEEE)
  - Chemical Waste
  - Waste Oil
- **Regional Contract 9213: Collection, Shredding/Destruction and Safe Disposal of Confidential Paper, Optical and Magnetic Waste**

### **1.1 REGIONAL CONTRACT 2420**

The contract for the Removal, Recycling, Composting &/or Disposal of Non Hazardous Wastes was awarded in January 2011 for 5 years (to end Dec 2015) with option of 2 x 12 month extensions). Two contractors were awarded 'lots' for SET under this contract; Lots 1,2 & 4 were awarded to Sita NI Ltd and Lot 3 was awarded to MacNabb Waste Management.

Domestic waste and recyclables are collected on a regular schedule by Sita NI from all Trust facilities and sent to one of two Materials Recovery Facilities (MRF's) for recovery. Any non-recoverable residue is used for Refuse-Derived-Fuel so this waste is completely diverted from landfill.

Cardboard is compacted and baled for recycling on the Ulster and Downe Hospital sites and a rebate is received for this stream (based on the current market rate).

In 2014, Sita applied for and were awarded a 2% price increase (the first to be agreed since contract commencement in 2011). This increase came into effect in September 2014.

Bulky skip items (furniture etc) are collected and recovered or disposed of by MacNabbs – disposal charges are only applied to the waste which they cannot recycle. Recycling rates are around 40%. Annually, MacNabbs apply for and are awarded a cost uplift in line with the increase in landfill tax.

## **1.2 REGIONAL FRAMEWORK 13623**

The framework for the Removal, Recycling &/or Safe Disposal of Non-Infectious Hazardous Waste was awarded on 1 August 2014 for 4 years (to end July 2018). Local contracts let under this framework can be for up to a maximum of 5 years. The resultant contracts let by SET were as follows:

- Contract SETGEN011: WEEE - Avenue Recycling:
- Contract SETGEN012: Chemical Waste – McQuillan Envirocare
- Contract SETGEN013: Waste Oil – ENVA NI Ltd

All contracts cover the period 1 August 2014 to 31 July 2019

Fluorescent tubes and waste oil are processed to recover valuable components. WEEE is broken down for recovery and chemicals are treated to either recover or safely destroy (according to legal /environmental requirements).

No requests for price rises may be submitted in the first year of the contract.

## **1.3 REGIONAL CONTRACT 9213**

The contract for the Collection, Shredding/Destruction and Safe Disposal of Confidential Paper, Optical and Magnetic Waste was awarded on 1 December 2012 for 5 years (to end November 2017) with option of up to 24 months extension, to Bailey Waste Recycling (NI) Ltd.

Confidential waste is collected from all Trust facilities on a regular schedule and transported for security shredding to Bailey Waste's facility in Lurgan. There has been no application for a price increase since the commencement of this contract

## 2.0 TONNAGES AND COSTS

Table 1 below shows tonnages (where available) and costs of non-clinical waste streams for the 2014/15 financial year in comparison with the previous two financial years

	2012/13	2013/14	2014/15	3 YEAR % CHANGE
<b>DOMESTIC WASTE &amp; RECYCLABLES</b>				
TOTAL WEIGHT (T)	1424	1336	1266	-11.1%
% CHANGE ON PREVIOUS YEAR	-6.6%	-6.2%	-5.2%	
DISPOSAL COST	£173,942	£175,849	£177,518	+0.2%
% CHANGE ON PREVIOUS YEAR	-9.4%	+1.1%	+0.9%	
<b>BULKY SKIPS</b>				
TOTAL WEIGHT (T)	225	148.2	140.8	-37.4%
% CHANGE ON PREVIOUS YEAR	+22.3%	-34%	-5%	
TOTAL WEIGHT LANDFILLED	132	90.1	84.4	-36.1%
% CHANGE ON PREVIOUS YEAR	NA	-31.7%	-6.3%	
TOTAL WEIGHT RECYCLED	93	58.1	56.45	-39.3%
% CHANGE ON PREVIOUS YEAR	NA	-37.5%	-2.8%	
DISPOSAL COST	£18,828	£13,966	£13,924	-26%
% CHANGE ON PREVIOUS YEAR	-4.7%	-25.8%	-0.3%	
<b>CONFIDENTIAL WASTE</b>				
DISPOSAL COST	£12,533	£16,343	£15,675	+25.1%
% CHANGE ON PREVIOUS YEAR	+37%	+30.4%	-4%	
<b>NON CLINICAL HAZARDOUS WASTES</b>				
DISPOSAL COST	£5,316	£2,367	£3,739	-29.7%
% CHANGE ON PREVIOUS YEAR	-69.1%	-55.5%	+58%	
<b>TOTAL COSTS</b>				
<b>COST</b>	<b>£210,619</b>	<b>£208,525</b>	<b>£210,856</b>	<b>+0.1%</b>
% CHANGE ON PREVIOUS YEAR	-11.5%	-0.99%	+1.1%	

## 2.1 TONNAGES

A continual decrease in the total volume of the domestic waste and mixed recycling streams has been evidenced year on year which is to be welcomed (See Fig 1).

Bulky skip waste has also shown a year on year decrease in tonnage, although this stream is very sporadic in nature and heavily influenced by closures / relocations / refurbishments.

Tonnages for confidential and hazardous wastes are not available

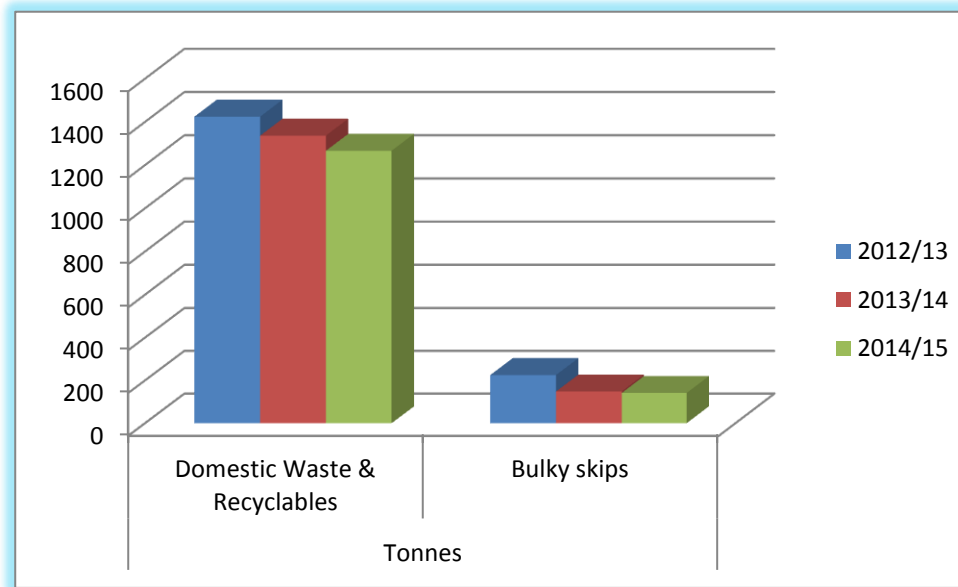


Fig 1: Tonnages of domestic waste & recyclables and bulky skips for last 3 financial years

The reasons for this steady reduction may be anything from the closure of facilities / rationalisation of staff into fewer premises – through to green procurement practices (minimising packaging), intelligent stock control and a general public awareness of the need to minimise waste. It is hoped that this trend will continue as minimising the generation of waste is the most preferable option of the Waste Hierarchy (See Fig 2 below), above recycling and recovery.

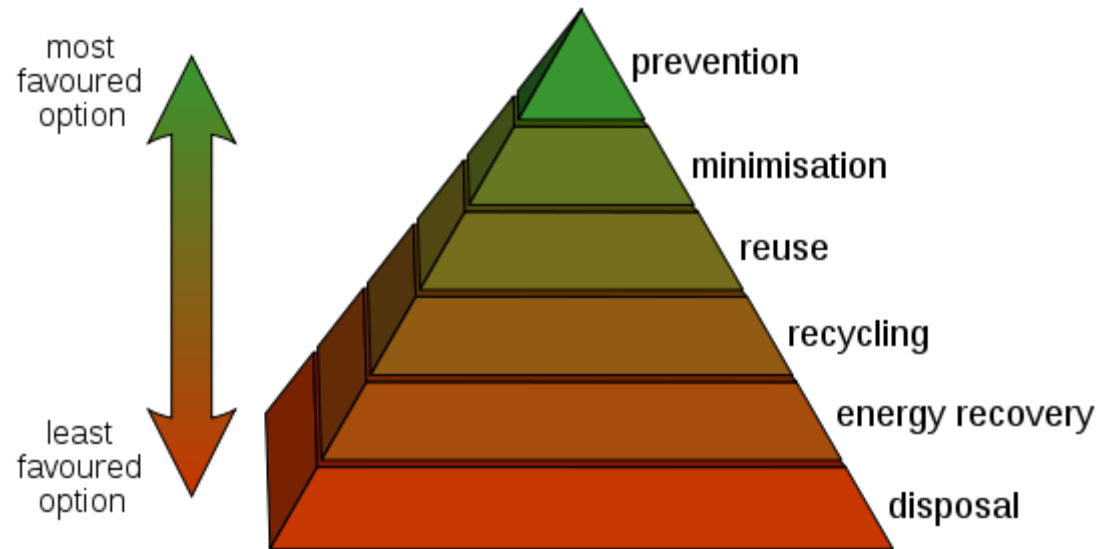


Fig 2: Representation of Waste Hierarchy

## 2.2 COSTS

As can be seen in Table 1, after some years of overall costs falling, this year despite falling tonnages there was a small (1.1%) increase.

Fig 3 below shows comparative costs for all non-clinical waste streams over the last three financial years.

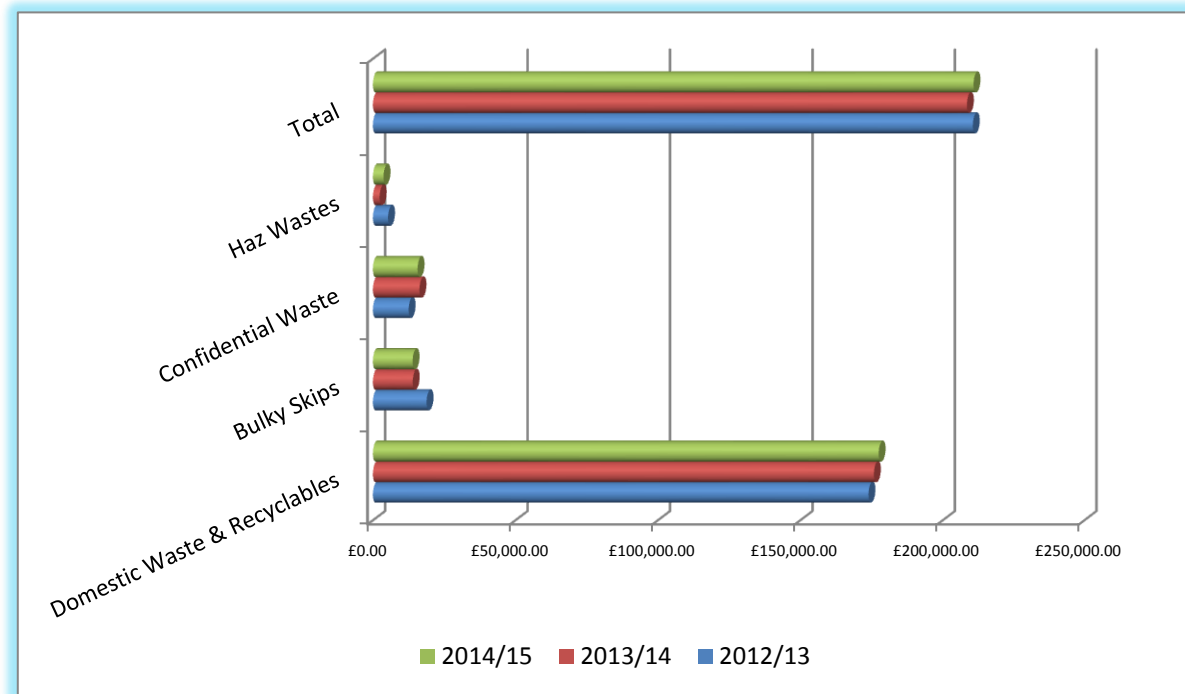


Fig 3: Non Clinical Waste Costs 2012 – 2015



### **2.2.1 Domestic Waste and Recyclables**

In 2014, Sita applied for and were awarded a 2% price increase (the first to be agreed since contract commencement in 2011). This increase came into effect in September 2014 which accounts for the slight rise in annual cost (0.9%). As this stream accounts for > 80 % of the total non-clinical waste costs, it is unsurprising that this is closely reflected in the overall costs (increase of 1.1%).

### **2.2.2 Bulky Skips**

Total costs for bulky skips in 2014/15 remained virtually unchanged since the previous year (-0.3%). Landfill tax increases annually and the contract provides for a price uplift to cover this. Therefore although tonnage fell by 5%, the fall in corresponding cost was not of the same magnitude. Annual comparisons are not always relevant for this stream as it is markedly affected by closures, moves, refurbishments etc.

### **2.2.3 Confidential Waste**

The regional Confidential Waste contract changed on 1 Dec 2012 from Sita NI to Bailey Waste Recycling with a 65% increase in unit cost. This resulted in a significant increase in total costs for this stream, first evidenced in 2012/13 and coming into full effect in 2013/14. Collection schedules have been modified to try to contain the increase and a small cost reduction (4%) was achieved in 2014/15. As with bulky waste, this stream can be affected by clear-outs / facility closures. The contractor has not applied for any price uplift since the award of the contract.

### **2.2.4 Non-Clinical Hazardous Waste**

The new regional contract for Non-Clinical Hazardous Wastes was awarded in July 2014 to Avenue Recycling (WEEE), Enva (Waste Oil) & McQuillan Envirocare (Chemicals).

Under the previous contract, fluorescent tubes and waste oil were collected free of charge whereas under the new contract, there are costs attached to these items; thus accounting for the cost increase – which will be on-going. However, these streams are very sporadic in nature and account for only a minor proportion of the total.

### **2.2.5 Other**

There is a regional contract in place (No 6870) for the Purchase or Rental of Compactors and Balers (Period June 2012 to June 2017). The waste compactor and the cardboard baler at the Downe Hospital have been rented under this contract since 2012 at an annual cost of £7,160. In the December 2014 monitoring round, funding of £21,400 was allocated to allow purchase the equivalent items. Payback in relation to rental savings will be achieved in under 3 years and, as the lifespan of this equipment is generally 10+ years, ongoing savings will be achieved.