

# Case Study



## Hallam Materials Recycling Facility, VIC

### Green File

Commercial quantities of cardboard are also collected from businesses and shopping centres.

The sorted recyclables are then on-sold as raw materials to customers both in Australia and overseas.



### Location

Hallam, VIC

### Client

Facility privately owned by Thiess Services Pty Ltd

### Value

AUD \$61 Million

### Duration

Award – 2002  
Completion – 2011

### Contract Type

Council Contract –  
Schedule of rates

### Referee

Mr Murray Sturt  
City of Casey  
03 8795 0888

The Hallam Material Recycling Facility opened in 2002. Thiess Services owns, designed, built, operates and maintains the MRF which processes recycled material from across three municipalities.

Covering a population of over 367,000 people and servicing over 150,000 households, the facility processes recyclables from City of Greater Dandenong, Cardinia Shire Council and Casey City Council kerbside recyclable collection services under contracts undertaken by Thiess Services.

All three councils recycling collection services utilises a co-mingled 240L litre mobile bin and are collected fortnightly on the same day as the residential garbage collection.

### Quantities

Thiess Services has just commissioned a reconditioned Ambaco Channel Baler which is capable of processing 15 – 20 tonnes per hour. Overall the facility sorts 55,000 tonnes of co-mingled recyclables per year.

### Challenges/Unusual Features

Thiess Services undertook a major upgrade in 2005 with an additional \$1 million injected into the sorting facility to improve product handling. The upgrade included the introduction of a V-screen and this increased the capacity to 55,000 tonnes annually.



### **OHSE**

Thiess Services conducts individual research and SAI Global audits continually looking for better ways to refine collection rounds and reduce impact on the drivers and equipment with the view to improving best practices. The MRF Sorters and Operators are required to complete a two year course in Asset Waste Management through sustainable learning.

### **Innovations**

The Thiess Services Hallam MRF was a major step in the sorting of co-mingled recyclables, at the time the facility was equipped with the latest technology from Australia and overseas. This included trommels, conveyors and screens to sort out the recyclables.

The facility sorts paper, cardboard, liquid paper board, glass, plastics, steel and aluminium. The product is baled and held in undercover storage until transportation for reprocessing. Glass (clear, green, amber) is stored outdoors undercover.



### **Community Engagement**

The local residents and community are invited to tour the MRF to help them understand the process of recycling and why it's so important.

The goal of the programme is to change behaviours throughout the community via learning to adopt more environmentally aware practices themselves, and sharing key messages with their families and other community members.

Thiess Services also runs free education programmes for school groups by holding school competitions where children design art work utilising recycled materials.