

# Product Recovery Industries



Pickers, magnets, and air blowers are used to separate waste and recyclable streams to increase diversion of landfill.



Over half a kilometre of linked conveyors and screens mechanically process mixed waste streams.



Quality control through multiple hand-picking stations ensures material is separated into various storage areas.



On a per capita basis, Western Australia produces the most waste in the nation and recycles the least. Instant Waste Management contributes to the state's waste reduction by providing the best waste management practices and material recovery. Our state-of-the-art Material Recovery Facility (MRF) plays an increasingly important role in the diversion of Construction & Demolition (C&D) waste from landfill, helping maximise the value of recyclable materials recovered.

- Our Material Recovery Facility (MRF) can treat over 200,000 tonnes of mixed C&D waste annually, extracting recyclable materials such as sand, brick, wood, metals, light materials, and concrete.
- It uses the best practice technology and processes to separate material from mixed C&D waste streams, diverting away from landfill.
- All the separated materials, including metal, sand, clay, wood, brick, and concrete are sorted for recycling opportunities.
- We can provide comprehensive waste reports to help you with your regulatory waste management targeting and compliance requirements.
- The Material Recovery Facility (MRF) features a visitor tour with a viewing room, where you can safely view the day-to-day operations of our facility. Interactive videos and detailed signage describe the staged processes involved in resource recovery.



**90%  
Landfill  
Diversion  
Rate**

**Maximising Resource Recovery and Recycling from C&D Waste**

With Western Australia's rapidly growing population and increased pressure on resources, it's more important than ever to employ best waste management practices and techniques to move towards a low-waste society.

The redevelopments and new developments in the Perth Metropolitan area will produce significant quantities of C&D waste, which must be managed more efficiently. Our Material Recovery Facility (MRF) is part of a sustainable strategy to increase the diversion of C&D waste from landfill and recover it as a resource. This diversion process is key in improving the State's waste recovery performance and will contribute towards waste reduction targets over the next decade.



## WASTE

C&D waste is estimated to rise substantially over the next decade in Western Australia. Therefore, a more sustainable approach in waste management is necessary to reduce the amount of C&D waste going to landfill. With continual improvements in recycling and resource recovery generation methods, we can collectively minimise the future impact on our state's environment and reduce our dependency on fossil fuels.

**Our difference**

---

With our extensive fleet of vehicles, comprehensive range of bins, and state-of-the-art MRF, we're able to deliver a total waste management solution to the Perth area and surrounding Northern and Southern regions of Western Australia. Our tailored approach ensures that mixed C&D waste can be collected, managed, and disposed of safely, responsibly, and efficiently.

## LANDFILL

Landfill capacity in Western Australia is quickly diminishing, while landfill levy is continuing to rise. More than 50% of waste that goes to landfill is from the C&D sector and most of it is recoverable. Directing C&D waste to landfill is no longer ethically, environmentally, or financially sustainable. The government is introducing incentives to reduce waste to landfill. Instant Waste Management are enhancing performance on C&D waste recovery methods to drive waste minimisation.

**Waste reduction**

---

Through the competitive and progressive recycling techniques and resource recovery operations at our MRF, we're achieving higher waste diversion rates and reducing the amount of waste going to landfill. By working together with our public, private, and community partners, we can deliver sustainable resource management objectives and ultimately improve the State's resource recovery rates.

## RECOVERY

It's clear that Western Australia must increase resource recovery processing to reduce unnecessary waste going to landfill. Through close collaboration between local and State's Government, public and private organisations, community groups, along with waste minimisation and avoidance, efficient use of resources is promoted and recovered.

**Our commitment**

---

We're committed to providing a cleaner and more sustainable environment for Western Australia, now and in the future. As such, we are continually improving our operations and processes to increase resource recovery efforts and promote waste reduction. Our MRF is an asset in minimising waste.



## Recovered materials from our Material Recover Facility (MRF)

### RUBBLE

#### Builders Rubble

Mixed concrete and brick make up a significant amount of C&D waste stream. Viable material is mechanically extracted and crushed. The collected material is then reprocessed into recycled road base, internal bricks, and drainage rocks.

### LIGHT MATERIAL

#### Paper & Cardboard (P&C)

P&C is one of the easiest materials to recycle and can be separated from mixed C&D waste streams. The recovered material can then be used as a fuel source for the 'waste to energy' sector.

### SAND

#### Recycled Clean Fill

Sand is sieved and separated by fine screens through the MRF process. Collected material is recycled to produce quality-assured clean-fill that meets the relevant Australian Standards.

### METAL

#### Metal

Recycling metal such as copper and steel reduces greenhouse gas emissions from landfill sites. Collected scrap metals are sorted for reprocessing. By using metal components, less energy is required for manufacture compared to virgin production.

### WOOD

Wood sent to landfill emits methane and, if not captured contributes to global warming. The wood that comes through our MRF is extracted using a specially designed floating tank. Collected material is then used in secondary recycling markets such as mulch, compost, or as a fuel source for 'waste to energy'.

## Why Choose Us?

Instant Waste Management is a reliable and trustworthy waste partner. Our experience enables us to cater for all waste projects quickly and efficiently. We provide an extensive fleet of vehicles and a comprehensive range of bins, as well as utilising the latest collection and waste management processes. Our state-of-the-art Material Recovery Facility (MRF) helps customers reduce, reuse, and recycle materials for a total integrated waste solution.

## Our Commitment

We can customise packages to meet all waste stream requirements. We target cost efficiency, environmental optimisation, and resource to provide the best available customer service; all of which leads to a longer term and mutually successful relationships.

## Sustainable Waste Management

Our approach is designed to deliver key benefits to you - starting with waste assessments through to the collection, separation, and recycling of all your waste streams. Our technology, experience and operational techniques ensure the minimum amount of waste is produced, diverting it away from landfill, lowering your bottom line and creating a positive environmental impact. Waste matters to us. With our help, you'll meet all your sustainable commitments for the safe and effective management of waste. Make Instant Waste Management your preferred waste partner of choice.



(08) 9379 2111  
<https://www.instantwaste.com.au>  
[orders@instantwaste.com.au](mailto:orders@instantwaste.com.au)