



**Southern  
Waste  
Solutions**

Providing best practice  
waste management  
and resource recovery  
for Tasmania

[SWSTAS.COM.AU](http://SWSTAS.COM.AU)

# What we do

Southern Waste Solutions (SWS) is an established leader in Tasmania's waste sector, jointly owned by Clarence City, Sorell, Tasman, and Kingborough Councils.

SWS services about 50% of Tasmania's population across the Break O'Day, Brighton, Clarence City, Glamorgan Spring Bay, Glenorchy City, City of Hobart, Huon Valley, Kingborough, Sorell, Southern Midlands, and Tasman local government areas.

We operate the largest network of waste management facilities in Tasmania. We accept and manage waste at both the Lutana Waste Transfer Station and the Copping Waste Precinct, which includes the Copping regulated waste disposal cell (C Cell). Waste received at the Lutana Waste Transfer Station is transported to Copping in leakproof semi-trailers. We ensure maximum legal payloads to minimise vehicle movements and reduce our carbon footprint.

SWS also receives bulk waste haulage from a network of transfer stations across the east coast and southern Tasmanian region, including facilities in Scamander, Huonville, the Barretta Waste and Recycling Centre and the Mornington Park Waste Transfer Station.

# Our future

SWS is strategically placed to manage waste from across Southern Tasmania when other facilities reach end of life in the coming years.

We are taking a lead role in the important and necessary transition to a future where waste is reduced and diverted away from landfill and into innovative, value-added products.

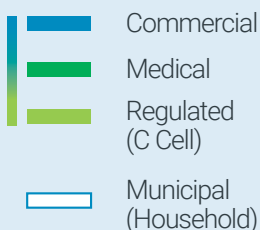
We are undertaking a complete redevelopment of the Lutana Waste Transfer Station, to ensure its ongoing capacity to deliver streamlined management of the majority of Southern Tasmania's commercial and residential waste and to progress its strategy for the recovery of resources from waste material.

The fully reimagined facility will allow us to separate different waste streams to boost resource recovery and support new commercial opportunities in the circular economy.

SWS is committed to working in partnership with industry and local government to tailor waste management, classification and disposal solutions to their specific needs.

# Our sites

## Waste types



## Copping (exc C Cell)

VOLUME P.A.

150,000 tonnes

Proportion (%) of Household vs Commercial (all other)



## Lutana WTS

VOLUME P.A.

60,000 tonnes

Proportion (%) of Household vs Commercial (all other)

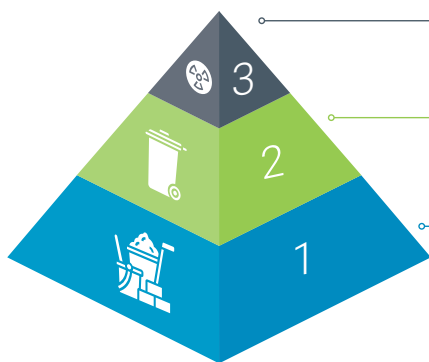




# Tasmania's only regulated waste facility.

Southern Waste Solutions (SWS) operates the C Cell at its Copping Waste Precinct, as part of Tasmania's largest and most modern waste management facility network.

## Categories of Waste



**Highly contaminated** waste that requires secure storage conditions.

**Low contaminated** waste from kerbside collection, street bins, street sweepers.

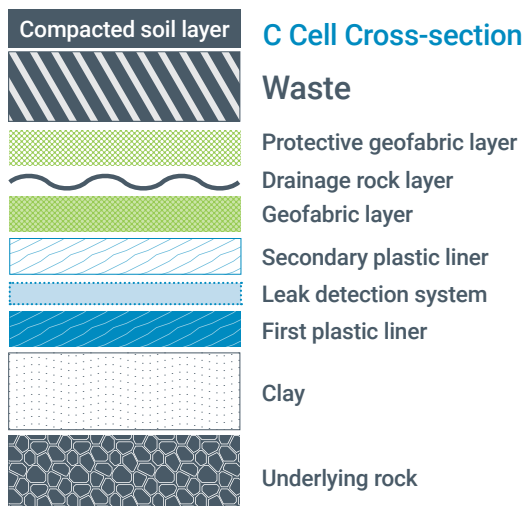
**Solid uncontaminated** material and fill material such as wood, bricks, concrete, rocks and fencing.

**Level 3 waste** requires strict storage conditions.



Prior to the construction of the C Cell, contaminated waste was either stockpiled on worksites or shipped interstate for disposal. This was unsafe, costly and unsustainable.

SWS can accept controlled waste from the transport, aquaculture, mining and manufacturing sectors as well as from the public with prior approval.



The C Cell is a highly engineered landfill unit built to meet the best practice landfill guidelines.

The C Cell is built with many layers to separate waste from the environment. Along with routine leak detection monitoring, SWS also utilises a 3D GPS tracking system to map the location of all waste inside. All material that enters the C Cell is tested, recorded and to allow for future removal and reprocessing as new technologies are developed.

**SWS has strict monitoring and management processes in place to ensure the C Cell does not impact on the surrounding environment.**

All wastewater, also known as leachate, is collected and processed. Regular testing ensures that groundwater does not contaminate nearby dams, creeks or rivers.

Speak to us about your waste disposal needs.

There are strict requirements that must be met before contaminated waste can be disposed of in the C Cell.

Please visit our website to understand the requirements and begin the application process.



Scan the code to apply

# Renewable energy

The Copping Renewable Energy Facility extracts gas from landfill to generate electricity. Energy generated at the Copping site is fed back into the power grid and is sufficient to power around 1000 homes every year.

Landfill gas is made up of around 50% methane, a greenhouse gas that is 25 times more harmful than carbon dioxide. Last year, the facility captured over 9.5 million cubic metres of gas and abated 147,000 tonnes of CO<sub>2</sub>e, the equivalent of taking more than 59,000 cars off the road.



# Leachate treatment

We collect all wastewaters produced from landfilling, also known as leachate, at our Copping Waste Precinct, including from the C Cell. Our leachate evaporation system, the BeneVap, processes collected leachate through an evaporation chamber heated to 1500°C. At this temperature, contaminants forcibly evaporate, reducing the volume of waste liquid by up to 95%.

This use of technology has greatly improved our site safety and has alleviated the need for more wastewater storage dams during wet weather periods.

In addition, all water naturally leaving our Copping facility to dams, creeks or rivers is tested regularly, and results are compared to historical conditions before any waste was received on site to ensure there are no adverse effects on the surrounding environment.

# Our values



We put safety and the environment first



We support and respect one another and we are our best when we work together



We consistently deliver