

## CASE STUDY

# Best Practice Recovery of Waste Refrigerant from End-of-Life Goods Saves Time and Reduces Costs



## BACKGROUND

### About the Customer

The customer is one of Australia's leading waste management providers with extensive operations throughout Australia. Committed to a more sustainable future, they collect, treat, recycle or safely dispose of all types of waste.

### About A-Gas

A-Gas is a world leader in the supply and lifecycle management of refrigerants and associated products and services. Through its first-class recovery, reclamation, and repurposing processes, A-Gas captures refrigerants and fire protection gases for future re-use or safe destruction, preventing harmful release into the atmosphere.

For over 30 years, A-Gas has supported its clients and partners on their environmental journey by supplying lower global warming gases and actively increasing the circularity of the industries it serves, building a more sustainable future.

## CHALLENGE

With hundreds of waste management facilities located across Australia, the client processes a large amount of end-of-life domestic and commercial white goods on a regular basis. However, before white goods such as fridges, freezers and air conditioning units can be processed for disposal, crushing and/or recycling, any residual refrigerant gas must be safely removed to prevent potential refrigerant gas leaks.

## AT A GLANCE

### Challenges

- Efficient management of hundreds of end-of-life white goods requiring processing on a regular basis across multiple sites.
- Mitigate environmental impact by preventing refrigerant gas leaks from end-of-life white goods.

### Benefits

- Client saved time and reduced costs by partnering with Rapid Recovery® to manage the complete recovery process, utilising best practice processes and high-speed equipment.
- Safe recovery of refrigerant gas prevented leaks to atmosphere and enabled efficient processing of goods for disposal or recycling.



*"Our ongoing partnership with the client enables their facilities to efficiently manage hundreds of end-of-life white goods requiring processing each month across many sites throughout NSW. Because Rapid Recovery manages the complete recovery process, it saves the client time and money and ensures they're doing the right thing to protect our environment."*

**Daniel Tanaskovic**

Sales and Operations Manager,  
A-Gas Rapid Recovery, Australia

## SOLUTION

The client partnered with A-Gas Rapid Recovery®, a mobile high-speed refrigerant recovery service, to recover waste gas from the end-of-life white goods across multiple waste management facilities throughout New South Wales.

Each month, Rapid Recovery services multiple sites to recover refrigerant gas from end-of-life white goods to enable them to be processed for disposal or recycling. For efficiency, goods are staged allowing for fast recovery of up to five units at once.

For every recovery job, the client receives ARCTick compliant documentation which clearly shows the amount and type of refrigerant recovered, including the equivalent CO<sub>2</sub> emissions avoided by using best practice refrigerant recovery.



*End-of-life white goods are staged as above to enable fast and easy recovery of refrigerants.*



*A-Gas Rapid Recovery® trucks are fully equipped with all the necessary equipment for fast and safe recovery.*

## RESULTS

On a monthly basis, refrigerant gases from end-of-life white goods are efficiently recovered to enable efficient processing for recycling and/or recycling. Qualified technicians and the use of high-speed recovery equipment ensures refrigerant gas is safely recovered, preventing potential leaks to atmosphere.

As part of the complete recovery process, recovered refrigerant is returned to A-Gas' facility in Laverton, Victoria for processing.

## CONCLUSION

Fully equipped A-Gas Rapid Recovery® trucks, utilising high-speed recovery technology delivers best practice recovery processes to ensure safe and efficient refrigerant recovery of end-of-life goods.

The safe recovery of waste refrigerant from old white goods that are no longer fit for purpose, reduces the risk of potential leaks to atmosphere.

CASESTUDY-AU-RR-WASTEMANAGEMENT-07052024

Best practice recovery of waste refrigerant from end-of-life white goods saves money and time.