



**The Environmental
Group Limited**
Engineering a Sustainable Future

Case Study

Reclaim Waste: Setting a New Standard for PFAS Treatment in Victoria



Julian Grasso
Managing Director / CEO

Julian has over 12 years of experience in the waste industry and is the co-founder of Reclaim Waste. He's particularly interested in sustainability and working on bespoke solutions with clients who have Reportable Priority Waste challenges.

Location: Laverton, Victoria

Companies: The Environmental Group Limited & Reclaim Waste

Focus: PFAS extraction and environmental compliance for liquid waste

The Challenge

PFAS contamination is one of Australia's most persistent environmental challenges. As these "forever chemicals" enter landfill leachate and wastewater, they can migrate into soil and groundwater, posing long-term risks to ecosystems and public health.

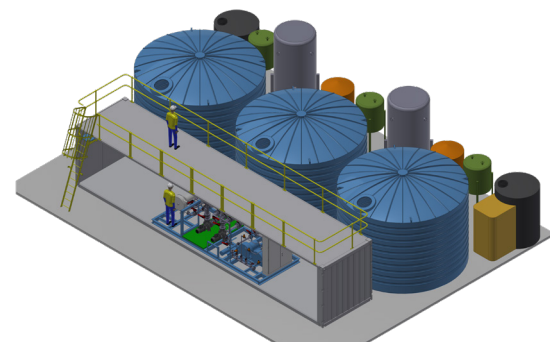
Reclaim Waste sought an advanced solution to manage PFAS-contaminated liquid waste safely and in full compliance with evolving EPA regulations.

The system uses EGL's patented foam-fractionation technology, which removes over 99% of PFAS compounds from contaminated wastewater without generating extra waste streams like activated carbon or incineration residues.

It can process up to 20,000 litres per hour and is scalable, allowing for both mobile and fixed-site deployment—ideal for councils and regional waste facilities.

The Solution

In partnership with The Environmental Group Limited, Reclaim Waste installed Australia's first EPA-licensed PFAS extraction plant at its Laverton facility.



Aggregates

Course to medium materials like stone

Sand

Screened

Clean Fill Material

Mud consistency

Reclaimed Water

Reclaimed water can then be re-used in industrial processes and applications within the plant.



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A Cleaner Future Starts Locally

By adopting this proven technology, councils can lead meaningful change, transforming waste management from a compliance challenge into a story of community care and environmental leadership.

Did you know?

- ▶ PFAS are known as “forever chemicals” because they don’t break down naturally.
- ▶ PFAS can contaminate groundwater, soil, and food sources.
- ▶ Did you know many Australians already have detectable PFAS in their blood?
- ▶ PFAS can move from water into air, soil, wildlife and crop systems – so the impact goes well beyond the original site.
- ▶ Your local council is playing a crucial role in local PFAS awareness and prevention.

The Results

- ▶ Achieved full EPA approval for compliant PFAS waste treatment
- ▶ Reduced contaminated volume from 1 megalitre to 0.5 kg of concentrated waste
- ▶ Demonstrated safe, sustainable PFAS removal for landfill leachate and wastewater
- ▶ Created a new benchmark for PFAS treatment across Australia

What This Means for Councils

This project proves that effective PFAS treatment is achievable today. Councils can now:

- ▶ Partner with The Environmental Group Limited to deploy mobile or fixed extraction units at local facilities
- ▶ Meet EPA and state compliance requirements proactively
- ▶ Protect community health and local environments from PFAS pollution

Protect Communities. Build Trust. Leave a Legacy.

Cleaner water and soil.

Safer, healthier communities.

Councils recognised as environmental leaders.



Contact The Environmental Group

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**TOGETHER, WE CAN PROTECT AUSTRALIAN
COMMUNITIES & BUILD A SAFER, PFAS-FREE FUTURE.**

