

HOW LANDFILL GAS WORKS

Capturing gas today for a cleaner tomorrow

As waste breaks down in the landfill, it produces gas. This gas is captured and safely treated in a flare unit, reducing its impact on the environment.

Thank you Albany for embracing FOGO and making a difference to our landfill and its emissions!



THE FLARE UNIT

The flare unit is visible from the road and some areas of the site.

It operates using a small, controlled flame near the top of the stack, which safely burns the gas collected from the landfill.

SAFE & CONTROLLED

The system is fully managed by LMS Energy using advanced technology equipped with multiple safety features

1 WASTE BREAKS DOWN

Organic waste breaks down naturally over time and produces landfill gas.



2 GAS IS CAPTURED

A network of wells is installed in the landfill to collect the gas.



3 PIPEWORK TRANSPORTS THE GAS

The gas is moved through underground pipes to the flare unit.



4 GAS IS FLARED

The gas is burned at high temperature in a controlled flame. This destroys methane, a greenhouse gas.



5 CLEANER FUTURE

Capturing and flaring the gas reduces emissions and is an important step toward closing and rehabilitating the landfill.



Landfill biogas contains greenhouse gases including methane, which needs to be captured and destroyed



Flaring or burning the gas at high temperature converts the methane into carbon dioxide and water vapour with over 98% efficiency

WHY IT MATTERS



REDUCES EMISSIONS

Prevents methane from escaping into the atmosphere.



SUPPORTS SAFE CLOSURE

A key step in preparing the landfill for closure and long-term care.



BETTER FOR OUR COMMUNITY

Helps protect air quality and the environment for future generations.



PART OF OUR WASTE FUTURE

An important step in how we manage waste in Albany.

The way we manage waste in Albany is changing - and this is one of the important steps along that journey.

For more information contact the waste team on waste@albany.wa.gov.au or go the website www.albany.wa.gov.au/waste



WASTE FUTURES
PROJECT