



SOLUTIONS

- Overview
- Cigar® - Biogas Reactors
- Anaerobic Digestion
- Aerobic Treatment
- Odour Control
- Waste Products
- Cap™ Retrofit
- Research & Development
- **Lab Services**
- Design Services
- Construction Services
- Operational Services
- Future Developments

Waste Solutions complements and supports its consultant bioengineering, biotechnology, waste-management, energy recovery and biogas production advice to its clients through the utilisation of its state-of-the-art scientific laboratory and testing services.

The laboratory is operated by microbiologists, biotechnologists and chemists who are leaders in the field of wastewater treatment and solid waste processing. Bolstered by an extensive research collaboration network, developed over many years, Waste Solutions has the ability to source the latest environmental technology research and to evaluate, enhance and develop customised solutions for our clients.



While being in the unique position of supporting our own branded name products such as Cigar® by vigorous internal research the Waste Solutions laboratory also conducts research and analysis in a variety of different areas.

Some of these specialty areas for the laboratory include:

- Contract research for government organisation
- Commercial contract research for industrial clients
- Routine analytical chemical monitoring services (wastewater, landfill leachate monitoring, discharge consent monitoring for local authorities)
- Sampling and analysis of odorous air
- Testing of ecotoxicity and biodegradability of solid and liquid materials
- Testing and evaluation of the biological methane potential of industrial process wastes and wastewaters
- Filtration technology application in resource recovery from wastes and wastewaters
- Testing and evaluation of prototype methods, processes and equipment
- Design of custom-made chemical flocculant formulations for cost effective application in client owned treatment plants
- Microbiological quality assurance for primary industry by-products, treated biosolids, wastewater and solid waste materials
- Fermentation biotechnology testing and evaluation.

