

J.J. Richards & Sons Pty Ltd

Total Waste Management



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J.J. Richards & Sons Pty Ltd (J.J. Richards) was established in 1932 and is the largest privately owned waste management company in Australia.

Customers are the most important asset our company has.

J.J. Richards strives to establish and maintain a close, productive working relationship with our customers to ensure:

- ❖ *the most efficient and cost effective services are provided*
- ❖ *timely rectification of problems*
- ❖ *the ongoing evaluation and evolution of services to improve community amenity and service efficiency.*

Our goal is to achieve industry best practice by:

- ❖ *continuously improving waste management technology*
- ❖ *reducing the impact of waste on the community and the environment*
- ❖ *providing a quality service, whilst minimising customer costs*
- ❖ *maintaining a high standard of operational safety, to protect our employees, customers and the general public*





Waste Collection Services

J.J. Richards has extensive experience in assessing waste management requirements, designing, implementing and operating the most safe, efficient and cost effective waste disposal and recycling solutions for its customers. J.J. Richards offers waste collection services in the following areas:

- ❖ Refuse
- ❖ Recycling
- ❖ Divided Refuse/Recycling
- ❖ Green Waste
- ❖ Liquid Waste



Multi-Lift Transport - Bulk Haulage

J.J. Richards' Multi-Lift Transport - Bulk Haulage Division has a fleet of tandem and tri-axle vehicles capable of transporting a range of skips and compactor tanks varying in size from 24m³ to 66m³.

The Multi-lift system is suitable for the transport of such wastes as:

- ❖ Transfer station waste
- ❖ Recyclables
- ❖ Sewerage sludge
- ❖ Building and construction waste materials
- ❖ Foundry sand
- ❖ Food waste
- ❖ Large volumes of general waste.



Used Oil Recycling



J.J. Richards provides waste lubricating oil collection as part of its Total Waste Management service. Where the majority of used oil in Australia is burnt as a relatively cheap fuel, J.J. Richards in association with Southern Oil Refining Pty Ltd, are working towards providing a complete "lube to lube" recycling solution to its customers. This is the most environmentally beneficial and economically sustainable use of a non-renewable resource.



The Southern Oil re-refinery at Wagga Wagga, New South Wales, currently receives over 30 million litres of used oil per annum for refining back into base oil. Together, J.J. Richards and Southern Oil are developing a state of the art 100 million litre per year used oil re-refinery in Gladstone, Queensland, which is expected to open in the latter part of 2014. This will be the first true used oil re-refinery in Queensland, designed to cater for the already significant output of used oil from the State and the projected growth in volumes resulting from the burgeoning resource sector in Northern Australia.

TiTree BioEnergy



converting waste into clean energy

The TiTree BioEnergy Facility is a joint venture developed by J.J. Richards and Veolia Environmental Services. The facility is situated on a former open cut coal mine near Ipswich in South East Queensland and uses specially designed landfill cells to rapidly decompose the waste and generate biogas (BioEnergy).



Industrial Services Division

The Industrial Services Division works in conjunction with the waste management activities of J.J. Richards by providing specialised equipment and services to industry such as:

- ❖ Vacuum loading
- ❖ Tank cleaning
- ❖ Ultra high and high pressure cleaning
- ❖ Drain cleaning
- ❖ Sludge removal
- ❖ Hydro excavation
- ❖ Shutdown services
- ❖ Marine services
- ❖ Emergency spill response
- ❖ Confined space entry

Hazardous & Chemical Waste

J.J. Richards can provide customers with a Total Waste Management Solution that includes assessment, collection and provision of the most appropriate recycling, treatment or disposal option for each hazardous and chemical waste. From pesticides and paint, to acids and solvents, J.J. Richards is committed to raising the industry standard in the provision of hazardous and chemical waste services.

JJR Water Solutions

JJR Water Solutions specialises in the design, manufacture and installation of industrial waste water treatment systems that allows the water to be recycled, legally discharged to sewer or used for irrigation. The systems can be implemented by any industry where water is used in either wash down or process applications.

Services & Equipment available

- ❖ Relocatable wash bays for vehicles and equipment;
- ❖ In-ground wash bays;
- ❖ Waste water treatment systems suitable for recycling, irrigation or sewer discharge;
- ❖ Drive over high pressure wheel and chassis wash to remove soil and noxious weeds;
- ❖ Post harvest treatment of fruit and vegetables (Nylate);
- ❖ Irrigation line de-scaling and cleaning (Nylate);
- ❖ Baldwin Industrial Systems (including):
 - Oil and Solids Separators
 - Dissolved Air Floatation (DAF) units
 - RM-10Cetco emulsion breaking technology



The dedicated staff at J.J. Richards constantly strive to develop innovative Total Waste Management solutions to meet our customers' needs. These solutions range from custom designed waste containers and vehicles, to specialised onsite waste management services.



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J.J. Richards Engineering Pty Ltd

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J.J. Richards Engineering Pty Ltd designs and manufactures waste collection vehicles, industrial bins, skips and compaction units, which are custom designed to meet customer needs.

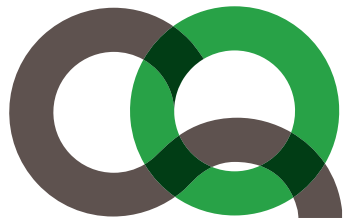


J.J. Richards Engineering, constantly strives to provide the most efficient and effective service possible by:

- ❖ designing more effective waste handling systems/practices
- ❖ allocating resources for research and development into new technologies and manufacturing innovations

CQ Compost

J.J. Richards is committed to ensuring that appropriate solid and liquid organic wastes are beneficially reused as feedstock for the manufacture of compost or for other direct soil improvement initiatives. Through CQ Compost, and in strategic partnership with a number of other composting facilities, J.J. Richards is actively promoting sustainable development, whereby organic wastes such as septic waste from work camps associated with the Queensland Resource sector are being successfully recycled and returned to the land for the benefit of agriculture and the community.



cqcompost

Regwaste

A Division of J.J. Richards & Sons Pty Ltd

Regwaste Australia®

Regwaste Australia (a division of J.J. Richards) offers customers over 15 years experience in the specialised field of clinical and related waste management. The division operates from Gladstone to Cairns providing clinical and related waste transport, treatment and disposal services to over 700 customers.

Regwaste are licensed by the Department of the Environment & Resource Management (DERM) and can also offer automated waste tracking systems to customers. Waste assessment, management and training can also be provided.



EnviroCom Australia®

EnviroCom Australia was established in 1998 as an independent consulting division of J.J. Richards specialising in waste issues central to environmental sustainability. With qualified environmental personnel and four offices nationally, EnviroCom can assist both public and private sector customers to achieve sustainability outcomes through strategic planning, auditing, research, reporting, education and workplace training.

For your local contact, please visit our website:

www.jjrichards.com.au

