







## LICENCES AND APPROVALS:

Phoenix operates under Environmental authority EPPR03031994, covering:

<b>ERA 33</b>	<b>ERA 55</b>
Crushing, milling, grinding or screening.	Other waste reprocessing or treatment
<b>ERA 53</b>	<b>ERA 62</b>
Organic material processing	Resource recovery and transfer facility operation
<b>ERA 54</b>	<b>ERA 57</b>
Mechanical waste reprocessing	Regulated Waste Transport

The business is owned by Australian Recycling Machinery Pty Ltd and J.J. Richards & Sons Pty Ltd. The Phoenix joint venture brings together broad waste management experience and resources, allowing for operational excellence.

## APPROVED WASTE TYPES:

 Dewatered Grease Trap Sludge	 Paunch Material
 Food Processing Waste	 Poultry Processing Waste
 Grease Trap	 Sawdust
 Green Waste (vegetation)	 Silty Water
 Manure — Livestock	 Stabilised Anaerobic or Aerobic Sludges
 Mill Residues	 Untreated Pallet Waste
 Muddy Water	 Vacuum Excavations
 Paper Sludge	 Vegetable Oil Wastes and Starches
 Topsoil	 Wood Waste

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**PHOENIX**  
Power Recyclers

Phoenix operates on 20-hectare site located in the Yatala Industrial Precinct, halfway between Brisbane and the Gold Coast. The Sandy Creek Rd site is a less than 5km from the highway and is a comprehensive organics recycling facility.



Phoenix has established the first 'state of the art' organics processing plant in SEQ, filling a gap within the circular economy for organics. The facility assists in the realisation of the Queensland Government's Waste Management and Resource Recovery Strategy.







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Utilising advanced manufacturing technology and best practice recycling methodologies, the site runs four fully enclosed aerated-floor composting vessels. The receival hall is under negative pressure to ensure there are no emissions from wastes with potential for nuisance odour.

**The facility is capable of processing 50,000 tons per annum with, approvals in place to increase annual throughput to 100,000 tons.**

**The system has been designed to handle:**

 Green waste	 Agricultural residues
 Food Organics and Garden Organics (FOGO)	 Grease trap and other liquid organic wastes
 Industrial food processing residues	 Some C&D and C&I waste streams

Phoenix is the first in the world to use this technology to process a combination of liquid and solid waste types. Phoenix only use waste streams that add benefit to the finished compost product. Industrial wastes that do not meet this standard are not used by Phoenix.

The site is fitted-out with additional pre-and-post-processing infrastructure such as:

<b>FIXED</b>	Composting Tunnels	<b>MOBILE</b>	Grinders
	Trommel		Shredders
	Hammer Mill		Windrow Turner
	Tanks for liquid decanting		Star Screens

In line with state government waste diversion strategy, Phoenix's processing facility provides local business, industry and several councils with an opportunity to divert organic waste from landfill (avoiding Queensland's waste levy, which is set to increase to \$85 in July 2021).

**PRODUCTION OF COMPOST & OTHER PRODUCTS:**

After process, treatment and analysis against the relevant Australian Standard (AS4454) the compost material produced can be beneficially reused in agricultural markets. Phoenix has directly marketed both compost and soils to the landscaping, property development and agricultural sectors for over twenty years.

Phoenix can produce a range of different growing medias:

- Soil Conditioner
- Garden & Underturf Soils
- Potting & Podium Mixes
- Mulch & Chip
- Biomass for renewable energy

**CONTRACT PROCESSING ON CLIENT'S SITE:**

- Onsite Soil Amelioration (e.g. property development and land regeneration)
- Grinding and removal of green waste and timber products (e.g. on council tip sites)

Phoenix clients come from all sectors of industry – Councils, Governments, Waste Generators, Freighters & Transporters and our end product is distributed into both the Retail and Wholesale Landscaping, Agricultural, Horticultural and Home Gardening markets.)

**AUSTRALIAN COUNCILS WORKED WITH:**

