

Purearth Woottating Composting Facility

Att 3B - Operational Information

The Purearth composting facility at 324 Horton Rd Woottating safely and efficiently processes organic waste materials into compost materials and soil additives, using best practice processes and infrastructure. The composting facility, situated within the boundaries of the Shire of Northam, has been operational since 2015 and operates under license from the Department of Water & Environment Regulation (DWER).

Feedstock for the composting process include domestic greenwaste and FOGO (Food Organic Green Organic) materials collected from kerbside. The Purearth technology is proven and energy efficient, turning organic waste materials, into valuable nutrient-rich, compost products. With many years' hands-on experience in the field, Purearth understands the needs of the land and manufactures products that enhance nutrient-depleted soils. The Purearth product is organic, natural and is set to continue playing an important part in the improvement of WA soils.

There are limited options for the receipt and processing of FOGO within the Perth & Peel metropolitan area currently, and insufficient industry capacity to service the growing collections of FOGO materials. This next stage of Purearth's expansion project will provide the capacity for processing of an additional 80,000 tonnes of FOGO per annum, including from up to nine Local Government Authorities located within 60 kilometres of the Purearth organic composting facility.

The Purearth facility currently includes the following infrastructure and equipment:

- receipt & blending hall;
- composting slabs & composting bunkers;
- mobile screening plant;
- Water carts;
- surface water and leachate containment systems;
- front end loaders; and
- trucks and trailers for haulage of raw materials and distribution of finished products.

Under almost completed FOGO processing expansion works governed by DWER Works Approval, eight composting bunkers have been constructed, together with increased compost storage hardstand and an expanded leachate and surface water runoff management system.

This final stage of the expansion project involves the deployment of the following additional infrastructure at the Horton Rd Woottating site:

- weighbridge facilities;
- FOGO receipt & processing shed;
- food de-packaging plant;
- trommel screen;
- biochar plant; and
- dryer & granulator.

This next stage of expansion is supported by a *WA WasteSorted Organics Infrastructure Grant* in view of its importance to the State's ability to meet its waste management objectives. The completion and commissioning of the works will provide the capacity for the facility to process 135,000 tonnes per annum of organic waste materials, with the increased throughput subject to DWER licensing approval.