



Food Waste Recycling & Composting Plant

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Corporate Manager Commissioning –
Waste and Environmental Services



The Problem

In 2016-17:

- 80,000 tonnes residual waste
- Of this waste over 30,000 tonnes was food



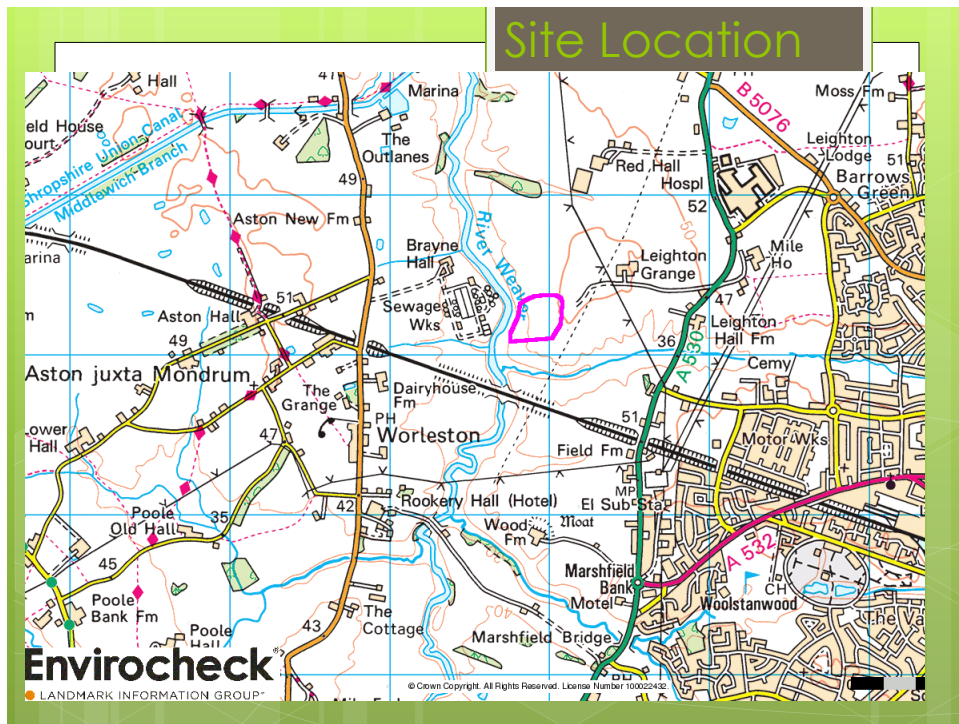
Current Provision

- 38,000 t/a Garden Waste Recycled.
- Delivered to and composted at:
 - Whittakers Green Farm, Nantwich
 - Higher Smallwood Farm, Stoke-On-Trent
 - Field Farms, Sandbach



Proposals for Change

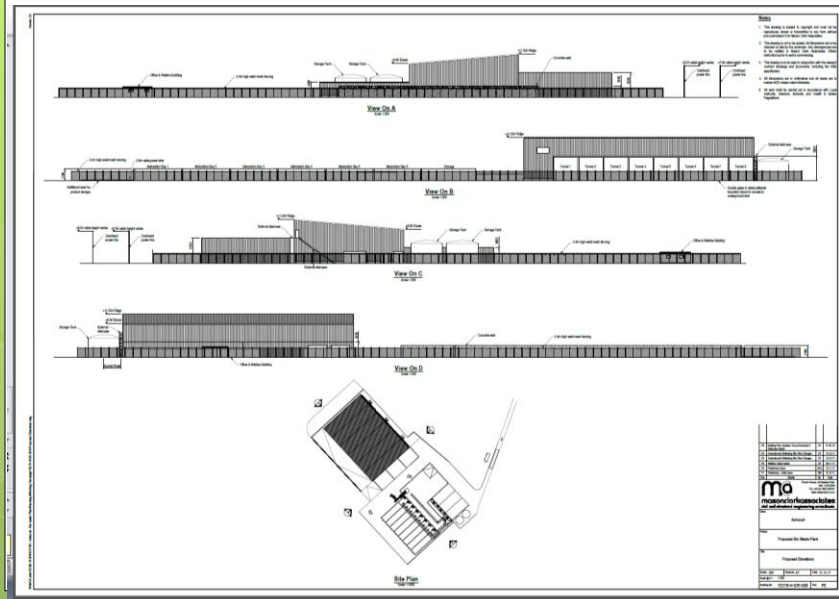
- Waste strategy 2030
- Further feasibility on mixed food and garden waste.
- Cabinet approval to procure a processing solution for mixed food and garden waste



Progress So Far

- Procurement Complete
- Contract Signed with Biowise for the Construction and operation of an In-Vessel Composting Facility.
- Pre Application meetings and Initial consultation with Leighton Parish Council undertaken.
- Planning application ref: 18/0552N registered 9 Feb 2018 Committee date 16th May 2018

Progress So Far



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The application site area is approximately 1.2 hectares. The application proposes to develop an organic waste in vessel composting (IVC) facility to manage up to 75,000 tonnes per annum of compostable municipal green and food waste. This would involve a mixture of in-vessel composting (IVC) within a purpose built building, and external aerated maturation using a system of forced aeration static windrows.

Progress So Far



The process would involve reception of waste in a sealed negative pressure building, shredding and mixing of waste, then storage of waste in an enclosed composting tunnel before being transferred to an outdoor aerated static pile composting facility for stabilisation/maturation and then screening. Any unsuitable material would be sent off site to be re-processed into a biomass fuel for energy and/or heat recovery.