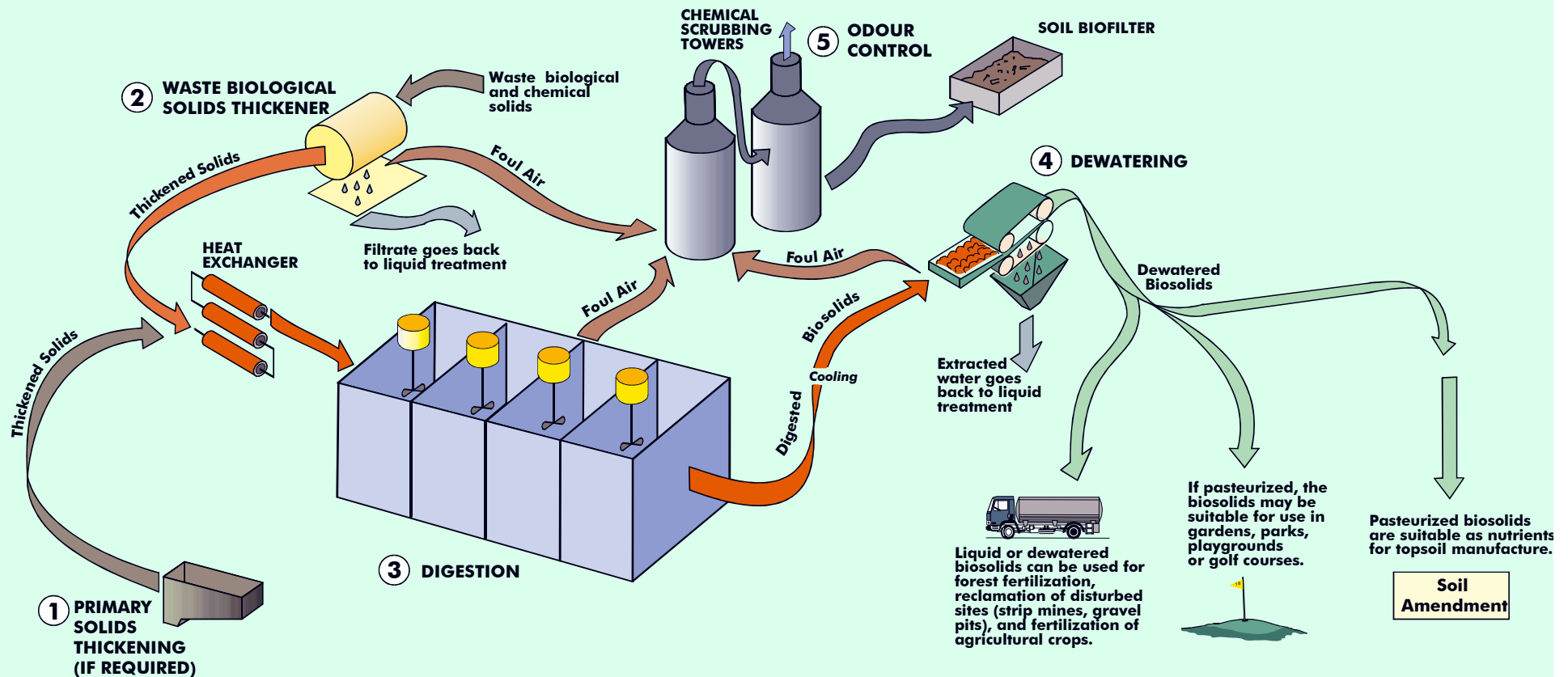


# How does digestion turn wastewater solids into usable soil conditioners (biosolids)?



## 1 PRIMARY SOLIDS THICKENING

Primary solids from liquid treatment are collected and thickened in the primary sedimentation tanks.

## 2 WASTE BIOLOGICAL SOLIDS THICKENER

Waste biological solids from liquid secondary treatment are mechanically thickened.

## 3 DIGESTION

Waste primary and biological solids are stabilized, producing biosolids that are safe for reuse. Up to 50% of the solids are broken down to carbon dioxide and water by the bacteria in the digester. If high temperature (thermophilic) digestion is used, the biosolids are also pasteurized.

## 4 DEWATERING

Water is removed from the treated biosolids to reduce the costs of trucking the product to reuse sites.

## 5 ODOUR CONTROL

Foul air can be collected and odours can be removed using chemical and biological treatment.