



WHAT ARE THE MOST COMMON LIQUID WASTE DISPOSAL METHODS?

In the United Kingdom, if you are own property and its drainage system is not connected to the mains sewer network, then you need to have a septic tank, an interceptor or a cesspit installed underground. It is a must to ensure the safe storage of your property's liquid waste disposal. In Essex, Liquid Waste Removal is a commonly used service because many homeowners still have a septic tank installed under their property.

There are multiple types of the septic tank and Interceptor Waste. It may be industrial or domestic, bio-degradable or toxic etc. depending on the type of activities that happen on your property. These wastes can include industrial processes, wash-waters, septic tanks, solvents, paints, pesticides and more.

However, in any case, you need to make sure that your disposal methodologies are always in line with the Environmental Protection Act. Here are some of the commonly used methods for [liquid waste removal in Essex](#).

- Method 1: Dewatering

Dewatering is ideal for non-hazardous waste. The process involves removing the liquid wastewater, leaving behind the settled down solid waste. There are three different commonly used dewatering methods or machines:

- A heavy machine or device called 'centrifuge' is used to separate materials with different densities (Liquids & solids). The machine is highly effective in separating even the smallest residue of solid waste from the liquid, making the liquid more clearer and leaving only a solid cake of waste behind.
- Another prominent device for Liquid Waste removal in Essex through dewatering is through a Belt Filter Press. It uses gravity to separate water molecules in the Interceptor Waste and presses the sludge down using inbuilt rollers. The water collected through this machine can be easily recycled through a wastewater system.
- A plate and frame filter is another good way to clear liquid waste through dewatering. It uses a combination of feed pumps to accumulate pressure for sucking the water and it runs it through multiple filter plates filter and releases the water. The solid waste forms

into a cake between the filter plates and can be disposed of according to its nature. The water in this process can also be recycled easily.

- Method 2: Sedimentation
- Method 3: Incineration

Sedimentation is another commonly used process for Liquid Waste Removal in Essex. In this process, the waste disposal is made to travel through large tanks where the semi-solid sludge settles down and the oil & other lightweight materials start floating atop. High pressure is used to skim off oil and separate solid and liquid [interceptor waste](#).

Majorly the process of solid & liquid waste bifurcation takes place naturally in a sedimentation basin. The technique is so simple that it is one of the most commonly used methods around the world. Once the solids are skimmed and removed from liquid waste, the left-over water is filtered & treated (recycled).

It is the most different of the three methods. Incineration is not mainly a process for Liquid Waste Removal in Essex. It is rather a process used for the treatment of hazardous liquids. This includes chemical & acidic waste coming from factories and manufacturing units.

The interceptor waste collected is travelled through a primary combustion chamber which has a temperature of about 850°C. The residue is transferred to the secondary chamber where it is heated at an even higher temperature (about 50°C).

The process generates hot gases, leaving behind an ash residue. The ash material is disposed of in landfills while the gases can be treated to remove air pollutants, before being released into the air. In some incinerators, the heat produced while burning the waste can be used to power steam turbines for generating electricity.

All of these three methods are environmentally friendly and widely accepted around the world. The professional, licensed and authorised waste treatment companies in Essex are well aware of these technologies. They have the team, skillset, equipment, training and experience for carrying out appropriate liquid waste removal in Essex.

If you understand the importance of proper disposal & treatment of liquid & solid waste, then you know that it is important also to choose the right [liquid waste removal company in Essex](#). With years of experience, Ashwaste Environmental Limited is one of the most

renowned agencies for liquid waste removal in Essex. Whether is a large scale business with toxic liquid waste or a simple domestic waste coming from a household, we know the methods and techniques to deal with it. Trust and you'll not regret it.