



## Septic Tank, Treatment Plant and Pump Station emptying



[www.keeservices.com](http://www.keeservices.com)

We now offer

# Tankering!

Residential or commercial, save time and money by having KEE Services desludge and service your treatment plant.

## Why KEE Tankering? – did you know ...

... mains water supplied is used for many purposes, other than drinking and food preparation, notably bathing and showering, toilet flushing and the washing of utensils, dishes, clothes and industrial uses. This can either run off as main drainage or if main drainage is not installed, the used water gravitates to the local sewer and becomes 'sewage'.

Domestic wastewater will contain both solid and dissolved pollutants including faecal matter, paper, urine, sanitary items, food residues and a variety of other contaminants. The sewer network can also receive wastewaters from office and commercial properties and from industrial premises. Rainwater from roofs and roads may also drain into the sewer network.

*This is when KEE Tankering services are needed. Sewage treatment plants need emptying and servicing.*

Most high-quality sewage treatment systems need emptying and servicing at least once a year. The reason for the emptying process is to remove the accumulation of sludge in the treatment plant. Servicing is important because the system is mechanical and consequently benefits from an annual once-over to keep it in perfect operating condition. Septic Tanks, Cesspools/pits and Sewage Treatment Plants can only be emptied by licenced waste disposal companies.

It is highly illegal for anyone, other than a licenced waste disposal contractor to empty and dispose of all effluent from septic tanks, cesspools and sewage plants. The effluent must be taken to fully recognised and

licenced sewerage treatment works. Fines are substantial if this is not done.

Several thousand septic tank drainage soakaways fail each year. Septic tank soakaways are a major cause of sewage treatment system failure. Often, these failures result in septic effluent finding its way into watercourses. Septic tank effluent can be harmful. This refers to septic tank effluent in both watercourses and groundwater.

You also cannot discharge into a watercourse or ditch anything poisonous or injurious. Effluent is extremely poisonous to aquatic life.

If your wastewater system malfunctions and discharges effluent (no matter how clean) to a watercourse you are committing an offence, rendering you liable on conviction in the magistrates' court of possible imprisonment or a heavy fine.

Many plants sold in the UK have never been tested by anyone and do not work - we know, because we service them. They hide behind the fact that CE marking is not yet mandatory, but the fact is that they must have been independently tested by some recognised body to an agreed equal or superior test and many have not.

## Pumping Station

A Pump Station could serve your property if you are not directly connected to a main sewer system. The sewerage flows to a storage chamber and submersible pumps discharge automatically to the main sewer system. Before reaching the treatment works your sewerage could flow through more than one pumping station.

Your property could have its own pumping station, and it's possibly something you've not known about or had any responsibility for in the past. Pumping Station systems are designed to handle foul water, natural human waste and biodegradable products. They are not designed for other household waste and non-biodegradable waste. This will reduce the efficiency of the pump station and it may well end up blocked.

*For that reason routine maintenance is essential for reliable operation. Please contact KEE Services Limited for more specific advice.*

## Package Treatment Plant

A package treatment plant is a system which offers varying degrees of biological sewage treatment and involves the production of an effluent which will be disposed of to-ground, via a soak away or direct to a watercourse. There are many varieties of package plant but all involve settling the solids before and/or after a biological treatment stage and all use electricity. Package treatment plants usually treat sewage to a higher standard than septic tanks but are vulnerable in the event of power failures.

*Please contact KEE Services Limited for more specific advice.*

## Septic tank

A septic tank is a type of biological sewage treatment system. Naturally occurring bacteria break down the solid matter, reducing its volume. The liquid element is discharged usually via effluent drainage systems "soakaways"

*The accumulated solids need only be pumped out occasionally by a licensed contractor such as KEE Services.*

They may be constructed in brick or blocks, although modern types are pre-formed in reinforced fibreglass.

Typically a septic tank will need emptying at least once a year. This will vary depending on usage, size of tank and if there are any unknown problems with the tank.

It is important to have the septic tank emptied at the correct intervals; otherwise there may be an excessive buildup of sludge.

## Main indicators of problems to a septic tank

- Slowly draining sinks, toilets, baths etc.
- Tank covers lifted by overflowing solids
- Backing-up of sewage at the inlet
- Surface flooding "downstream" of the tank
- The system backs up to and beyond the drain inspection chambers
- Vigorous plant growth downstream
- Ground movement near the tank or drainage field
- Polluted water in ditch or watercourse
- A smell of sewage in the area
- Problems persist even though the septic tank has been emptied or cleaned recently.

## Cesspool/Cesspit

A cesspool or cesspit is a sealed underground storage tank that retains the sewage until the time of disposal. It may be brick or block construction or manufactured in steel or reinforced fibreglass. The tank can overflow or may leak which can constitute an offence under the Public Health Act. In addition if it pollutes a watercourse legal proceedings may be taken.

Check the level in the tank regularly, do not let it overflow. Have it emptied at regular intervals. If you do not have to empty it for unusually extended intervals it may be leaking.

*Specialist help can be sought by KEE Services to ascertain the cause of the leak which will be identified and remedied. Any leaks or spillages should be cleaned up to avoid health and/or smell problems.*

## KEE Services Tankering

Most of the times your wastewater treatment system will need no intervention from you to do its work. All it will require is the annual desludging and that's when KEE Services can help.

We provide a timely, guaranteed and professional service to empty your wastewater system. But that's not all! We also provide advice and support and can help you to keep everything working sweetly.

Wastewater from sinks, baths, showers, dishwashers, washing machines and toilets are plumbed into your foul drainage system.

This waste arrives at the wastewater treatment system where the solids settle to the bottom and light materials such as grease, suds etc. float to the top. For every litre that flows into the tank a litre must flow out into the drainage field below the septic tank. There is very little biological treatment within a septic tank, although modern package sewage plants do treat the effluent.

If the tank is not emptied on a regular basis solids will be washed into the drainage field and can cause blockages. These blockages are hard to remove and the most common remedy is to install a new drainage field. This can be very expensive compared to regular emptying.

## Why KEE Services Tankering?

Reasons why you should choose KEE Services to empty your Wastewater Treatment System.

1. You get a completely local service from a nationwide company
2. You speak to real people, and will get free advice and help
3. You know that the job will be done well by our highly trained and experienced engineers.
4. The work is guaranteed
5. The price we quote will be the price you pay there are no supplements, call outs or fuel surcharges.

We have been servicing, repairing and emptying wastewater treatment systems for more than 60 years.

Call

# 01296 634500

or go to:

[www.keeservices.com](http://www.keeservices.com)

for more information.

Emergency call-out service is also available.



# KEE



*Specialists in Domestic & Industrial Wastewater Treatment*

KEE Process Limited & KEE Services Limited,  
College Road North, Aston Clinton, Aylesbury, Bucks HP22 5EZ, U.K.  
T: +44 (0)1296 634500 F: +44 (0)1296 634501  
E: [sales@keeservices.com](mailto:sales@keeservices.com) W: <http://www.keeservices.com>