



Safe clean water, past & present

**Safe, Clean Water
Past and Present**



The use of **fertilisers** and **pesticides** by farmers and gardeners may also cause the water company problems if they soak into the ground and find their way into **groundwater**. This underground water is treated to make sure it is completely safe to drink.

In 2006 more than
99%
of all samples tested meet legal quality standards.



Anglian Water has very good water quality.

How do we clean water?

HOW DO WE CLEAN WATER?

When water is taken from rivers, lakes or reservoirs, it travels along pipes to the **water treatment works**.

It is treated to:

Remove solid particles and make it clean.

Remove any unpleasant taste or smell.

Make it safe to drink.



The type of treatment depends on the quality of the 'raw' water. In the Anglian Water region 50% of supplies are very good quality **groundwater**. They only need simple treatment and **disinfecting** with **chlorine** to make the water safe to drink.



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Water taken from rivers and reservoirs needs more treatment. This involves a number of different processes.

1



First it is **screened** to remove large items such as twigs.

2



Then it is treated with **ozone** to kill harmful bacteria.

3



A special **solution** is added to make the dirt and bacteria in the water stick together to form a thick layer called floc. The **floc** is removed and the clean water is then **filtered** through sand to remove any remaining dirt.

4



After **filtration** the water is passed through **carbon**. This helps to remove things that could affect the taste and smell of the water.

5



Finally...

Chlorine is added to remove any remaining harmful **bacteria** and ensure the quality of water throughout its journey to your tap.