

# Temporary enhanced water treatment

TREATING GROUNDWATER WITH UV IN TIMES OF DROUGHT

**There's no doubt that water companies have their work cut out in periods of drought. When coupled with lower periods of rainfall and warmer temperatures, people often increase their outdoor water usage, applying additional stress on groundwater levels.**

When periods of drought occur, many water companies often open up boreholes to access extra water. Although this technique is commonly used throughout the industry, systems need to be in place to effectively treat the water. This is particularly the case when it is likely to be used for drinking and has to meet Drinking Water Inspectorate guidelines.

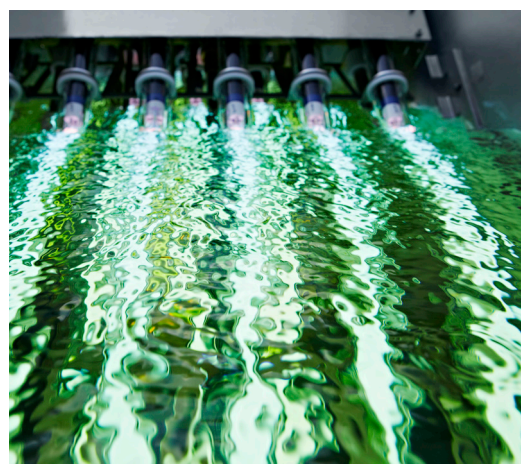
Groundwater quality problems can arise due to natural conditions in the ground or through pollution from human activity. Although the actual quantity of polluted water is small in most areas, it can still pose significant health risks. Therefore it is crucial that in times of drought, water companies can effectively treat and filter water at short notice.

A preferred method of treating groundwater is UV. However, when the equipment may only be required seasonally, the cost of stocking such UV technology can be difficult for water companies to justify, especially if droughts are more of a rarity in the locations they are responsible for.

UV technology helps ensure quality compliance on sources at risk of cryptosporidium outbreaks or other bacterial contamination that can be found in stagnant water. It operates by passing water through a system fitted with a high-intensity UV light. The light then renders bacteria, viruses and yeasts inactive, preventing them from multiplying. This results in clean, potable water, allowing the water to be recycled or used in a variety of applications.

Xylem Rental regularly provides emergency treatment solutions to water companies and industrial customers for a wide variety of applications. Our team of Rental experts pride themselves on delivering a rapid response solution to customers faced with a critical water challenge.

Through Xylem's unique 24/7 Nationwide emergency service, our products available to hire include skid-mounted Wedeco UV systems, allowing for the treatment of water on-site or in remote locations.



**XYLEM'S ROLE:** Rental Contractor

**COMPLETION:** 2015

**XYLEM SCOPE:**

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**For more information on Xylem Rental:  
Call 0845 707 8012 or visit  
[www.xylem.com/uk](http://www.xylem.com/uk)**