

# Licence Secured in Closed Abstraction Area

When Enviroenergy realised their borehole was located in a closed groundwater management unit they turned to Envireau Water for support to secure an abstraction licence.



## The Challenge

Enviroenergy Ltd own and operate a district heating system in Nottingham. In order to improve their cost efficiencies, they needed a borehole water supply.

A water supply borehole had been constructed previously but the Environment Agency had resisted issuing an abstraction licence. The site is located in the centre of Nottingham and was considered by the Environment Agency to be situated in a closed groundwater management unit. Envireau Water accepted the challenge to develop a pathway to licensing, but needed to find a way of demonstrating that the proposed abstraction was sustainable and licensable.



## The Envireau Way

Envireau Water undertook extensive and robust discussions with the Environment Agency. Our team of hydrogeologists and water resource specialists developed and refined a conceptual model for the site which showed that the hydrogeological setting was not associated with the closed unit but was associated with the River Trent.

Six months of operational test pumping exercises were undertaken which demonstrated that there was no impact on nearby groundwater abstractors or local water resources and that the use of the water abstracted from the borehole was non-consumptive.



By drawing on the conceptual model, testing results and water use, the Environment Agency were willing to consider an application for an abstraction licence.



## The Result

Enviroenergy was granted an abstraction licence. This wouldn't have happened without the willingness of the Environment Agency to consider the information that was being presented in an open and objective way. Collaborative working between Envireau Water, the Environment Agency and Enviroenergy led to a successful outcome.

## Need our help?

At Envireau Water, we have a reputation underpinned by over 20 years of experience. We succeed where others fail, with a proven track record of securing abstraction licences across the country. If you need support securing an abstraction licence, don't hesitate to get in touch.