

# Leicester Septicity Sampling Project

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The Rothley Valley Trunk Sewer project was a 6-month study of the sewer systems in West Leicester. The study consisted of a variety of investigation techniques, with the key factor to the study being a 5-week water sampling project between September and October 2011.

Historically the Rothley Valley Sewer has had long term septicity issues associated with Hydrogen Sulphide, resulting in sewer collapse and on-going extensive use of chemical dosing.

The principal aim of the study was to better understand the network and develop an improved strategy of operation and maintenance for this section of the Leicester Sewer network.

The project consisted of 11 sample points along the Rothley Valley Sewer that were sampled 3 times a day over a 35 day sampling period, resulting in over 1,500 samples over the 5 weeks. Due to the extended nature of this project, 4 sampling teams were on duty to cover the 5 week period.



## Analytical Testing Requirements:

To ensure that a high level of unrepeatability samples were taken correctly, the project was created using the ALS Environmental Pre-Reg system whereby all samples containers are registered and labelled prior to being issued to Pick Everard.

The samples were collected on weekdays from Severn Trent Water's Wanlip Treatment Works. Pick Everard delivered samples direct to the Coventry site at weekends to ensure samples were within the stability period. All samples were analysed for:

- BOD analysis
- COD analysis
- Dissolved Oxygen
- Nitrate
- Sulphate

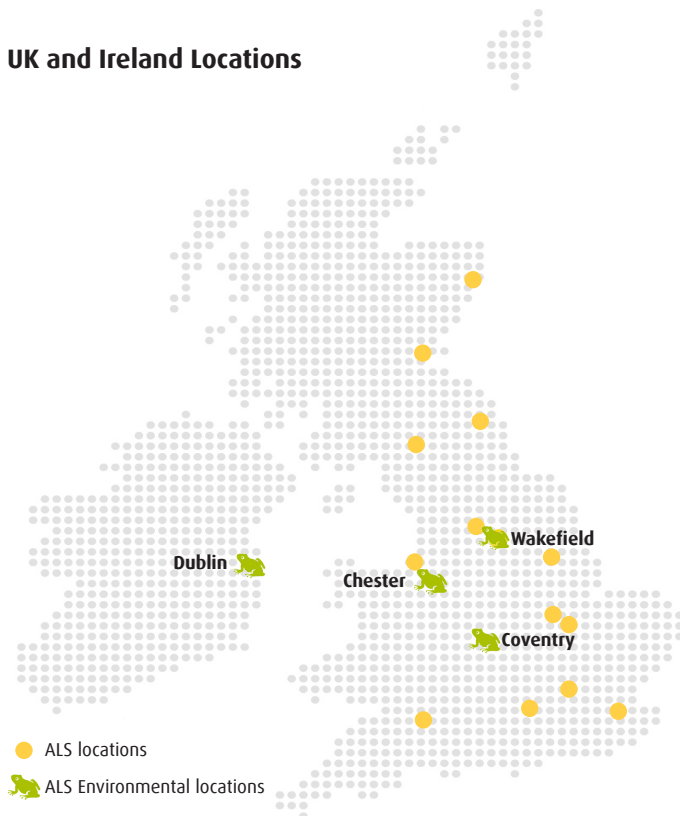
Pick Everard utilised the ALS dataview system to track results to help monitor data. In addition they received analytical reports in both PDF and CSV format to allow the data to be uploaded into the contractor's reporting system.

## Facts & Figures:

<b>Contractor:</b>	Pick Everard
<b>Project Length:</b>	35-days continuous sampling as part of a 6-month study
<b>Plants:</b>	11 Sample points across West Leicester
<b>Samples:</b>	Over 1,100 samples during 35 days

# ALS Service Overview

## UK and Ireland Locations



## Quality

Providing customers with UKAS ISO 17025:2005, MCERTS and DWTS accredited data from our laboratories across the UK. We participate in a broad range of Proficiency Testing schemes and hold a DEFRA import licence for soils.

## Did you know that?

We are able to provide a broad range of additional services to help with your sampling including:

- Internal refrigerated and tracked courier network
- National portfolio of drop-off locations
- Pre-Registration of samples via our "Pre-Reg" system
- Dedicated customer service advisor
- Online reporting via our WebTrieve system

## Contaminated Land

We understand the time pressures of large scale Remediation and Brownfield projects and are a member of the AGS. Our Coventry laboratory utilises state of the art analytical equipment with the back-up of our sister laboratories across Europe to ensure that we deliver your projects on time every time.

## Legionella and Microbiology

Being members of the Legionella Control Association (LCA) we understand the emphasis placed on laboratory analysis for the Control of Legionella. With 3 methods for testing Legionella (including rapid PCR) and an understanding and appreciation the implications of ACoP L8, HSG 274 and HTM04-01 we are your ideal analytical partner for all of your water hygiene monitoring requirements.

## Waste Management

By working closely with some of the largest companies in this sector we are able to offer unrivalled analytical and administration services to ensure that your samples are processed swiftly and in line with the UKAS Deviating Sample Guidance.

## Drinking Water

We are one of only a handful of commercial laboratories to have a dedicated Drinking Water Testing Specification (DWTS) accredited laboratory, based in Wakefield, Yorkshire. We are able to supply analysis to the Public and Private Drinking Water Regulations

If you have any questions on our services or would like more information on ALS Environmental please call the Coventry laboratory on 02476 42 12 13 or visit our website.