



Wastewater Testing SERVICES

ALS Environmental Services

For over 25 years ALS Environmental have been the leading supplier of Wastewater testing services, providing expert environmental monitoring throughout the UK & Ireland.

Wastewater Analysis

ALS Environmental offer a broad portfolio of water and wastewater analysis for customers in Manufacturing, Waste Management, Industrial Processing, Pharmaceuticals and Utilities. Our analytical services will help you in complying with environmental legislation and regulations for:

- Wastewaters
- Trade Effluents
- Groundwaters
- Land Leachates
- Process Waters
- Prepared Leachates

Our dedicated wastewater laboratories are accredited by UKAS to ISO 17025:2005 and MCERTS for Operator Self-Monitoring.

We provide analysis for:

- Discharge Consents
- Environmental Permitting Regulations 2010
- Pollution, Prevention and Control Regulations 2000 Integrated Pollution Prevention and Control Directive
- Controlled Activity Regulations (CAR) 2011
- The Landfill Regulations 2005
- The Water Framework Directive

With over 25 years experience in the wastewater and waste management business, ALS Environmental are your ideal partner for monitoring your water. Our experienced staff and technical experts are on hand to assist in every step of the analytical process.





Groundwater and Leachate Analysis

In accordance with the Water Framework Directive 2000/60/EC, ALS Environmental provide monitoring and analysis of groundwaters to meet operator licence requirements for the Integrated Pollution Prevention and Control Regulations. We can offer our clients analysis for List I substances including:

- Pesticides
- Herbicides
- Hydrocarbons

List II substances including:

- Metals
- Fluorides
- Ammonia
- Nitrate

Our analytical team have extensive experience of working with landfill operators and are able to provide the analytical framework for screening of landfill leachates by analysis based on Appendix 6 of the Hydrogeological Risk Assessment document. We also offer analysis of surface waters in line with the requirements of the Water Framework Directive.

ALS Environmental are one of a handful of UK laboratories that are supporting the utility sector in analysing samples for the Chemical Investigation Programme (CIP) 2.

As part of this programme ALS Environmental have been using pioneering analytical technology and methodology to reach challenging limits of detection in matrices including Surface

Waters and Trade Effluents for a broad suite of Organics, Inorganics, Sanitaries and Pharmaceuticals for a variety of Water Framework Directive (WFD) compounds. Many of the substances present on the WFD priority hazardous substances list and the Watch list have been included in the suite of analysis for the Chemical Investigations Programme 2 (CIP2).

Several new methods have been developed specifically for this programme and have been validated in accordance to the guidance present in NS30 and to the requirements of ISO17025. The requirements of the CIP2 presented a challenge in terms of the LoD's and performance data needed to ensure that ALS could provide the best quality data possible. By investing in state of the art instrumentation,

ALS Environmental has achieved full sign off from the CIP2 technical working group to analyse for these determinands in a range of water matrices.

Our Services



Activated Sludge

The analysis of activated sludge, to comply with the sludge (Use in Agricultural Land) Regulations (1990) or PAS 110, is a niche market for ALS Environmental. We have a dedicated Sludge analysis team at our laboratory in Wakefield, Yorkshire which can provide UKAS ISO 17025:2005 accredited analysis

The application of sewage sludge to land in member countries of the European Economic Commission (EEC) is governed by Council Directive No. 86/278/EEC (Council of the European Communities 1986). This Directive prohibits the sludge from sewage treatment plants from being used in agriculture unless specified requirements are fulfilled, including the testing of the sludge and the soil.

ALS Environmental can support clients in meeting the EEC directives by offering soil, sludge and water analysis with a broad portfolio of inorganic analytical parameters.



Trade Effluents

ALS Environmental offer a range of standard industry and regulatory suites for the analysis of trade effluents. Trade effluent regulations apply to liquid wastes discharged from any business or trade premises, or liquid produced during trade or industrial activity.

We offer a range of analysis to support applications for consents to discharge to sewers including Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Suspended Solids and Dissolved Metals. Analysis for detergents, cooling water, waste oils, chemicals and wash waters is also available.

Our experts have over 20 years of experience in sampling and analysing trade effluent samples from a range of suppliers and industries.



Microbiology

ALS Environmental are able to offer a broad portfolio of waste microbiology analysis from our dedicated laboratory in Coventry.

In line with UK and European standards we are able to offer potable, environmental and bathing water analysis for a diverse range of micro-organisms and fungi. This includes isolation, enumeration, confirmation and full identification.

We also offer microbiological analysis for sludge and soils in accordance with the safe sludge regulations. Our dedicated microbiology testing laboratories in Coventry and Wakefield are fully automated, boast state-of-the-art equipment and utilise barcode technology to increase sample throughput and enhance quality.

All our microbial analysis is confirmed by our revolutionary MALDI-ToF confirmation technique, which removes the presumptive stage and offers instantly confirmed and accredited microbiological analysis.



Field Services

Our Field Services division offer a comprehensive range of expert environmental monitoring, sampling and on-site testing. Our team of sampling technicians, cover the length and breadth of the UK, monitoring and collecting samples from a wide variety of sites.

ALS Environmental offer sampling and monitoring for Operator Self-Monitoring (ISO 17025:2005 and MCERTS accredited), urban wastewater, potable water at the mains, treatment works, reservoirs, householder's property, and at-stream sampling for our customers in the water industry. We can also conduct pipeline and utility surveys, identifying any risk of contamination to water or risk to construction workers engaged in the installation of pipes.

For customers requiring more in-depth support, ALS Environmental can provide an Environmental Field Chemist to offer support and advice on sampling regimes and an analytical programme.

ALS Environmental are also able to offer Air Monitoring, PM10, Dust and Asbestos analysis on an large variety of sample types.

Quality and Traceability

ALS Environmental have a unique barcoding system for all of our Legionella and Microbiological samples. The system allows us to track your samples through the analytical process from registration to reporting. This system ensures full traceability for your samples, allowing us to produce a full audit trail for each sample that is handled by our Legionella or Microbiology laboratories.

Accreditation / Body	Organisation	Description
UKAS 17025:2005 	United Kingdom Accreditation Services	The standard that defines the general requirements for the competence of testing and calibration laboratories. This accreditation extends to the sampling of soils, waters and gases.
MCERTS 	Environment Agency	Monitoring Certification Scheme - to provide a framework of standards you can use to monitor things that affect the environment. MCERTS covers monitoring equipment, staff competence, testing methods and associated quality control
WMSoc 	Water Management Society	A membership body for everyone involved at every stage of the water cycle to ensure that public health is maintained and best practice is shared throughout the process
ISO 14001:2004		ALS environmental have been assessed and certified as meeting the requirements of ISO 14001 for the provision of environmental analytical services.
OHSAS 18001:2007	Occupational Health & Safety Management System	ALS Environmental is certified to and operates an Occupational Health & Safety Management System which complies with the requirements of BS OHSAS 18801 for the following scope - Chemical, Microbiological and Ecotoxicological analytical services and field based operation service covering the sampling of soils, waters and gases.
	Legionella Control Association	'ALS are registered members of the Legionella Control Association (LCA) for Legionella analysis. The LCA is an organisation whose membership comprises providers of services and products concerned with the control of legionella bacteria in water systems. The primary aim is to keep water systems safe and minimise the risk of cases of Legionnaires' disease caused by poorly maintained systems.

We participate in a range of proficiency testing schemes, including:

AIMS and AISS - Asbestos Identification

Aquacheck, Contest and RTC - Organic and Inorganic Chemistry

CRYPTS, EQA, LEAP and QWAS - Microbiology and Cryptosporidium

Additional Services

To stay connected with our customers, ALS Environmental provide access to online data using our WebTrieve™ online portal, courier services for the rapid transportation of samples and our laboratory barcoding system, enabling samples to be registered in an efficient and time saving manner.

WEBTRIEVE™ - Online Data System

Online access to analytical data via WebTrieve™, our secure application. The online portal provides the following benefits:

- Real-time access to your analytical data
- Accreditation, certification and method summaries
- Personalise your views and settings
- Internet accessible data 24/7
- Data extraction and manipulation function
- Live data - only minutes behind our LIMS
- Your data securely archived at no cost



Courier Services

At ALS Environmental we operate a dedicated courier service to ensure all samples are delivered to the laboratory within a suitable time frame. Our service offering includes:

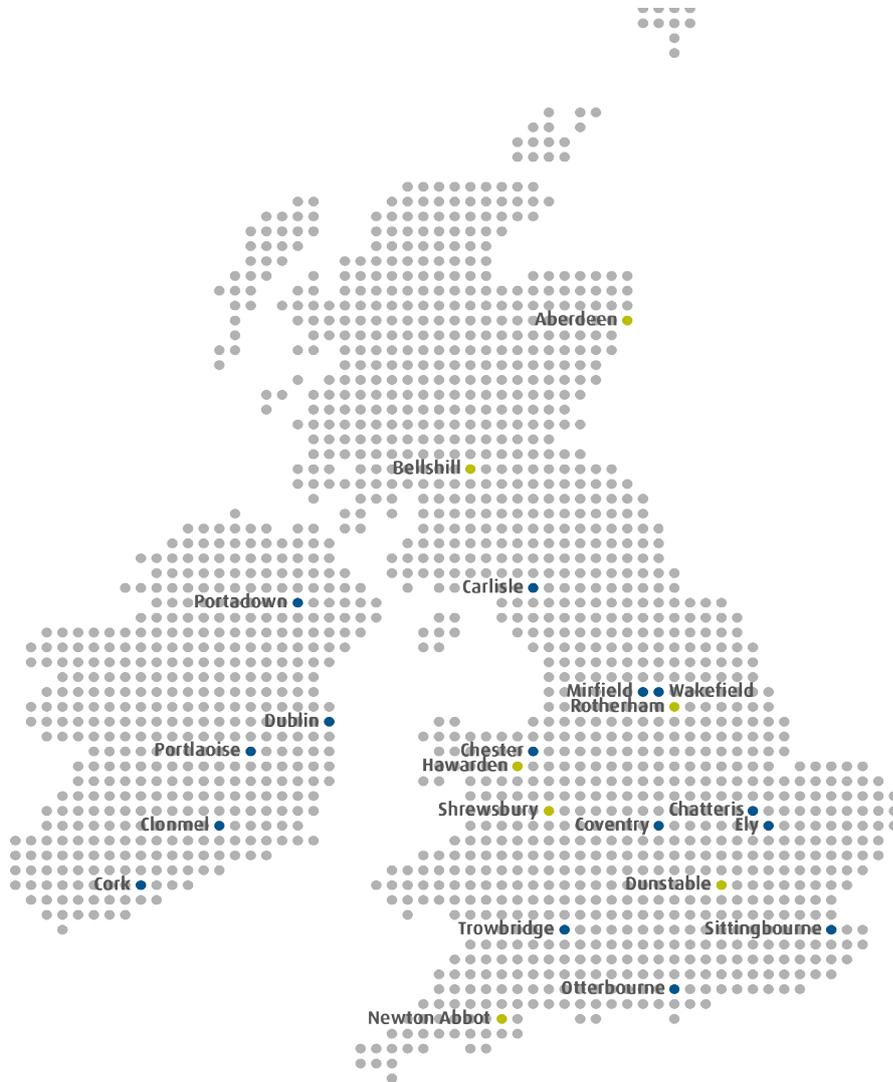
- Fleet of temperature controlled vans
- 24 hour sample reception open 7 days a week
- Collection and delivery service operating between the hours of 8am to 6pm
- Nationwide coverage for all required collections and deliveries
- Containers delivered free of charge

Pre-Registration

ALS Environmental are able to offer a pre-registration system known as “Pre-Reg”. By utilising our Pre-Reg system, customers are able to have their analysis pre-loaded onto their bottles along with all registration information prior to submitting the samples for analysis. This will ensure that you have the correct bottles and preservatives; additionally Pre-Reg will allow your samples to be fast-tracked past the registration stage and into the laboratory.



UK and Ireland Locations



Contact Us

To discuss your wastewater or waste management requirements, please contact us:

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Email: info.ukenviro@alsglobal.com

Or visit our website: www.alsenvironmental.co.uk