



Pollution & Environmental Control

Environmental protection services for industry



County Drains are ISO 14001 certified specialists in pollution and environmental control. We offer expert advice and services to companies looking to set up or implement their environmental management policies.

An Environmental Manager's responsibilities under ISO 14001 include how their company deals with air pollution, noise pollution, wastewater management, storage of hazardous materials, waste management, soil and groundwater protection and other environmental issues.

It's essential that companies develop and implement their environmental management systems correctly – most breaches of environmental law in the UK are criminal offences, with maximum penalties of unlimited fines and two years' imprisonment.



Above: one of our state-of-the-art CCTV drain survey cameras with front mounted pan & rotate zoom and high powered ultra-bright LED lighting, allows us to map drains and inspect faults in incredible detail, even when obstructions block the way.



To find out more about any of our commercial services, speak to a member of our team on 01530 510571.



WHAT DO WE OFFER?

- **Smart Sensors & Alarm Systems** for monitoring levels in oil interceptors, grease traps and sewage pumping stations.
- **Waste Removal & Tanker Services** for emptying septic tanks, sewage pumping stations and oil interceptors, as well as cleaning road gullies.
- **Site Drainage Plans & Drain Labelling** to help you manage your drains to prevent accidental pollution.
- **Emergency Planning** to help you meet your environmental responsibilities in the event of an emergency.

We're here to help

This brochure showcases our services in pollution control and environmental management.

If you are responsible for your company's environmental management plan, give us a call on **01530 510571** to find out how we can help you meet your obligations the smart way.

Smart Sensors & Alarm Systems

By using sensors within your drainage network you can stop pollution incidents before they occur. But if your sensors are unmonitored, you might not know about a problem until it's too late.

We can install smart sensors into oil interceptors, grease traps, sewage pumping stations or wherever you need to monitor for high water levels, so you never miss a problem.

How smart sensors work

Our Smart Sensor Alarm Systems combine an alarm with a built-in GSM modem which transmits data to our unique cloud-based, smart monitoring system.

When a sensor triggers an alarm you'll receive an alert, by your choice of email, text or phone call (or all three if you wish).

The smart monitoring system also gives our clients a web-based dashboard which pinpoints the alarm's location and contains a complete history of each sensor's alerts and system checks.

The dashboard allows documents to be uploaded and includes a section for you add comments whenever an alarm is activated.

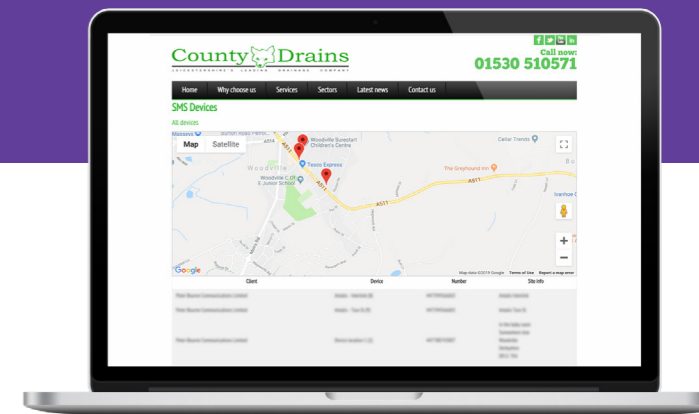
The cost-effective solution

Rather than scheduling routine annual clearances of your oil interceptors or grease traps, our Smart Sensors will inform you when they need attention. This will save you the cost of unnecessary call-outs and cut the amount of waste transferred.

BENEFITS AT A GLANCE



- Prevents environmental accidents (with associated unlimited Environment Agency fines)
- Reduces your company's carbon footprint by reducing the volume of waste removal
- Reduces the cost of waste removal
- You never miss an alarm with text, email and phone alerts
- At-a-glance overview of all monitored sensors
- Allows full traceability and environmental document control



Top: the web-based Smart Sensor monitoring dashboard. Middle: a GSM modem which can be connected to mains or solar power. Below: a smart oil separator sensor being installed.



To find out more about our Smart Sensors & Alarm Systems, speak to a member of our team on 01530 510571.

Waste Removal & Tanker Services



We use our fleet of tankers for emptying septic tanks, grease traps and pumping stations. We also clean interceptors, wet wells, road gullies and channel drains, and we offer high-pressure jetting of larger drains to remove silt and debris.

County Drains (Leicester) Ltd are licensed waste carriers, and all waste is disposed of at authorised treatment facilities.

All tasks are carried out by fully trained staff, with the correct vehicle being used for the job. All waste removed from the site is disposed of at an authorised waste disposal depot, with full documentation issued to meet with current legislation. We complete Duty of Care and Consignment Notes and pass them on to all relevant parties.

Waste Removal

We can remove foul waste (i.e. from septic tanks), fat/grease from grease traps, silt/debris from general drains and oil-contaminated water (i.e. from petrol/oil interceptors).



BENEFITS AT A GLANCE



- Reduce the risks of pollution
- Reduce the risks of flooding and damage to property
- Comply with environmental legislation
- Ensure all drains are free flowing and working correctly

To find out more about our Waste Removal and Tanker Services, speak to a member of our team on 01530 510571.

Site Drainage Plans & Drain Labelling



For your company to be ISO 14001 compliant, you must be prepared and able to respond to an emergency appropriately, so as to prevent or mitigate environmental impacts. It is good practice, and also advised by the Environmental Agency, to have an accurate site drainage plan in place and to have labelled all your drains.

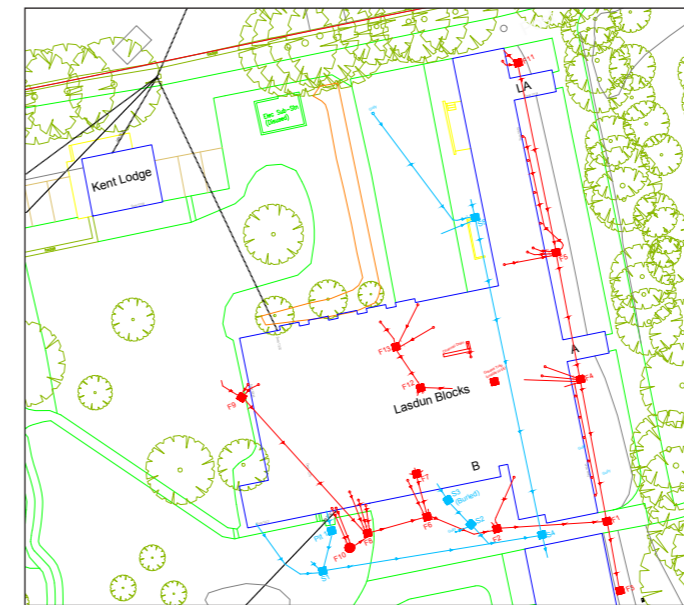
Knowledge of all drainage systems on your site is fundamental to preventing pollution and avoiding the potential for hefty fines and clean-up costs in the case of an accident.

Site drainage plans

We can provide you with a site drainage plan using our state-of-the-art CCTV drain cameras and sonar tracing equipment. We will map and identify foul water and surface water drains, as well as additional items that require identification, such as penstocks or oil interceptors.

Keeping the site drainage plan updated

You should check your drainage plans before any new building work is carried out to ensure connections are made to the right drainage system. It's important to update the drainage plan to make sure that any alterations, additions or amendments to the drainage system are shown.



Drain labels

It is essential that every drain cover, drainage grill or gully on your site is identified on the ground as being connected to foul, surface, effluent or combined drains. Without this knowledge, it is impossible to know which drain is which. This increases the chances of pollution as wastewater can be mistakenly poured down or connected to a storm drain.

Wrongly connected effluents can cause severe pollution, which is expensive and time-consuming to trace, so it is imperative to make sure that everything is connected correctly.

Traditionally, drains and drain covers are marked with paint. The drawback of this system is your whole site's drains will need remarking every 2-3 years.

Instead, we use self-adhesive, weather-proof drain labels. They are highly durable with a UV and abrasion resistant coating and are covered for defects for 12 years, but can stay in place significantly longer. Over their lifetime they are much more cost-effective than repeatedly painting and repainting.



Left: a drainage plan accurately showing the location of a site's drain system. **Above:** these highly durable self-adhesive drain labels have been in-situ at Fosse Park for over six years.

To find out more about Site Drainage Plans & Drain Labelling, speak to a member of our team on 01530 510571.

Emergency Planning Services



Many unplanned events could happen on your site that would have a disastrous effect on the environment. Among these events are spillages, flooding and fire.

Industrial or commercial facilities that use or store hazardous or polluting substances need to take steps to ensure they do not escape into the environment.

Pollution containment is critical for sites operating under the *Control of Major Accidents and Hazards (COMAH) 2015* or *Environmental Permitting (England and Wales) Regulations (EPR) 2010*. It should also be integral to any compliant Environmental Management System or for those companies working to ISO 14001.

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Spillages and Spill Mapping

In the event of a chemical or solvent spillage, you must ensure the spillage does not enter the surface water drainage system or groundwater. We offer a **spill mapping service** which runs a computer simulation of your drainage system to show the effect of a spillage on your site.

We can then advise on adapting your drainage system to cope, with the addition of **containment valves, storage tanks, sensors** and **alarms**, to ensure the safe containment of any spillage. We also offer advice on **spillage response planning**.

Flood Risk Assessment

Your site may also be susceptible to flooding during prolonged periods of rain, and it is your responsibility to ensure that flooding does not cause contained waste, solvents or oil to enter the surface water drainage system.

We offer a **flood risk assessment service** and can advise on any remedial measures you may need to take.



Firewater Containment

In the event of a fire at your site, you are responsible for the safe disposal of the firewater. Firewater contains hazardous contaminants which can pollute rivers and groundwater.

If you are working towards CIRIA 736 compliance our spill mapping service can simulate the route firewater would take on your site, and we can advise on **firewater containment strategies** and equipment, including **automatic valves, penstocks** and **containment tanks**.

SYSTEMS FOR FIREWATER AND POLLUTION CONTAINMENT

We can fit these systems to prevent firewater and pollution at your site from entering the environment.



Portable Drainblok:

An easy to use portable kit for sealing off a flow or duct. A Portable Drainblok is a manual solution which inflates to allow you to block off individual drains.

- Retro fits into almost any drain
- Easy to use, keeping operators away from the hazard of spill
- Prevents pollution reaching controlled water
- Helps meet ISO 14001 compliance
- Used by UK fire service and featured in the FRS environmental training manual
- No confined space entry needed



Fixed Drainblok:

Can be installed within a chamber to act as an emergency drain closure device from above ground.

While still a manual procedure, you have the option of either a manual pump or CO₂ cannister to inflate the device.

Each is contained within a cabinet for easy access, and can form part of a company's emergency preparedness and planning.



Toggleblok Containment Valves:

These automatic systems close either by button or electronically.

For example, in the event of a fire or spill a button could be pressed in security/reception to close the valve.

Alternatively Toggleblok can be programmed to work in conjunction with a fire alarm, high level alarm, a PH sensor or oil sensor.

When the alarm is triggered the valve closes automatically, blocking the drain and containing contaminated water within the system.

To find out more about our Emergency Planning Services, speak to a member of our team on 01530 510571.

To find out more about Firewater and Pollution Containment, speak to a member of our team on 01530 510571.



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