

Simply Cleaning Up Your Act - A Small Change to Deliver a Multitude of Benefits

Every single day in the UK businesses engage in a wide range of maintenance regimes and activities to clean 10,000,000's m2 surfaces. The majority of this work is subcontracted to Facilities Management Companies or Cleaning Specialists, all of whom will use an array of different cleaning products.

Would it not be great if a business or outsourced third party needed only **one** environmentally friendly and sustainable product that not only delivered outstanding cleaning results but also helped achieve:

- ✓ A reduction in maintenance costs by preventing drain blockages and removing unpleasant odours
- ✓ Fewer slips and trips for your employees and customers, minimising lost time injuries
- ✓ A reduction of contaminated waste costs
- ✓ A means of preventing harmful carcinogenic elements contained in fuel seeping into public drains

Imagine **one** single product that can be used in areas of your business where you have:

- Platforms above and below ground on land or sea
- Public walkways & stairs
- Public or private catering facilities and restaurants
- Refuelling installations
- Vehicle servicing areas and depots
- Food processing plants
- Heavy plant and machinery
- Contaminated confined spaces

Image if this **one** product could fit seamlessly into how you operate today without the need to:

- X Increase your labour model
- X Purchase expensive new equipment
- X Add cost or complexity to your business

So Who Are We?

Underpinned by 24 years' experience of managing assets and maintenance including health, safety and environmental issues within a large oil company GW Environmental Consulting has developed a range of multi-use products that will clean and bio remediate all forms of hydrocarbons from fast food fat and grease to biodiesel and ethanol.

As opposed to representing an additional cost our products have been designed as a replacement solution to the ones you currently use.

So How Does Bio Remedial Differ from Chemical & Biological Cleaning?

Chemical detergents contain molecules (surfactants) that have two different ends. One end is strongly attracted to water and the other to dirt and grease. However, like any chemical reaction there is a limit to how much dirt and grease can be picked up at any time – and often it is not all of it. To promote cleaning many of the chemical additives are harmful to both the user and the environment.

Biological detergents contain active chemicals called enzymes, which help to break up and remove food and other deposits. The main enzymes are proteases (which break up proteins), lipases (which break up fats), and amylases (which attack starch). However, enzymes have a limited capacity and time span in which they can operate.

Bio remedial cleaning works on activating harmless, naturally occurring bacteria that are found around us every day. These bacteria actively ingest dirt and hydrocarbons leaving behind only water and inert gas. They actually create the enzymes biological agents use; so as long as there is dirt and hydrocarbon they will continue to work well beyond the end of the physical cleaning process.

So Let's See How Using Bio Remedial Cleaning Products Would Make a Measurable Difference

Zero Harm: Hydrocarbons, which are all slip inducing, will be found in customer areas (food dropped by the public), vehicle and fleet maintenance workshops and depots as well as staff canteens. Bio remedial cleaning products are not limited by a chemical reaction or a fixed enzyme content. The bacteria in our products will continually ingest and remove all the hydrocarbons from floors and surfaces until they are both clean and returned to their original non slip design status.

Slips, trips and falls still represents the largest number of incidents in the UK every year. When a slip, trip or fall occurs the chances of it resulting in a broken bone are approximately 95%. In February 2014 there was a milestone change in the way companies are fined in relation to breaches of health and safety which will apply to any case that is brought to court. Now fines can be administered in relation to the seriousness of the incident and the size, profit, turnover of the organisation in which the incident took place.

Reduces Maintenance Costs: Once the used cleaning water has been disposed of the bacteria will continue to bio remediate any fats, oils and grease in the drainage system, preventing blockages and reducing bad odours. In fact, regular cleaning with bio remedial agents will build up a harmless biomass in the drainage system which will ingest any fats and oils that incidentally enter the drains through other activities. With most cleaning outsourced how do you know your supply chain is not adding to your problems by moving fat, oil and grease off of the floors and into the drains?

Reduce Contaminated Waste: If you need to clean floors that are soiled with fuel and oil the bio remedial cleaning product will begin to work immediately capturing and ingesting any hydrocarbon. When the used cleaning water is disposed of into the designated run off point it will continue to remediate hydrocarbons within the fuel separator reducing the need to empty and clean it. The Environment Agency has warned UK businesses to take action in the face of a massive increase in the costs of disposing of hazardous waste. The Agency said costs for waste producers is set to more than triple.

Protects The Environment: Any organisation that uses or supports vehicles whether private or public will be using fuel containing ethanol which is totally soluble in water. This means the ethanol will be passing straight through your fuel separator taking harmful, carcinogenic compounds (benzene, toluene, ethyl benzene and xylenes) with it into the public drains. Our product has been developed to bio remediate ethanol to reduce this environmental risk.

Delivers Benefits Beyond Your Own Facilities: The harmless bio mass regular cleaning with our products continues regular will continue to work after it has left your premises. It is our vision that through promoting the use of bio remedial cleaners over chemical cleaners we can make the “fatberg” and the disruption it causes a thing of the past. We aim to work hand in hand with large corporations, the Water Authorities and the public to achieve this. According to TFL, road works (much of it caused by sewer repairs due to fat related blockages), account for 38 per cent of the most serious traffic disruptions across London at a total cost of £752 million a year – that’s around £2000 per hour.

Summary

In summary, our products will help achieve the following key deliverables into any organisation:

- Reduce slips and trips
- Reduces Maintenance Costs
- Reduce Contaminated Waste and Associated Disposal Costs
- Protect The Environment

So if any of these points affect your organisation or You have now discovered new areas of risk or concern that you were unaware of then we welcome the chance to discuss how we can work collaboratively with you to ensure your business is safer, cleaner and more efficient’ by helping you “clean up your act” in an environmentally responsible and sustainable way.

Please visit our website at www.gwenvironmentalconsulting.com to see who else is already using this technology and to understand how You or Your supply chain could be delivering more benefit for less overall cost.

