

# FOG (Fats, Oils and Grease)

- FOG causes blockages in the UK's wastewater networks. In 2015, UK water companies had to clear 366,000 major (non-residential) blockages in their networks of which approx 80% were attributable to FOG.
- UK water companies are under increasing pressure from the Environment Agency and shareholders to reduce blockages, flooding and pollution incidents.
- UK water companies are now focussing on restaurants as these appear to be the most frequent offenders in dumping FOG down the drain.
- At least one UK water company is now employing ex police officers to 'detect' kitchens that are illegally dumping FOG into the drain.
- Another UK water company is rewarding kitchen staff to 'whistle blow' on employers who disregard the law re FOG.

# Current Practice

- **Grease Separator –**

- Most commercial kitchens must have a grease separator. This is a device which should make it easy to remove FOG from water because oil floats on water. The grease separator should be regularly cleaned, dosed with enzymes, pumped out and maintained.
- Enzymes at best liquefy the FOG for approx 20 minutes so that it can be washed down the drain. However, the liquefied/softened FOG recongals (solidifies) within 20 minutes and causes blockages further along the kitchen drainage system or within the wastewater network. These enzymes are now illegal in some countries.

- **Manufacturers Claims vs reality –**

- Whilst grease separator manufacturers claim to trap 60% to 80% of FOG, in reality it is probably between 0% and 10% due to infrequent cleaning, poor maintenance, ignorance, poor design etc.
- The cost of one blocked pipework/drain incident could be greater than a days profit in a busy kitchen. In most cases, kitchens have to close whilst drains and pipes are pumped out using hazardous chemicals.

- **Question ?**

- After a long evening shift in the kitchen finishing at 11pm, is there a motivation or incentive to spend 1 or 2 hours cleaning a hot grease trap? If left until the morning, the FOG will have cooled and hardened making cleaning even more difficult. A good proportion of kitchen staff are part-time, temporary or agency staff.

# Why ECO WMT ?

- **Our Innovative product - Eco Tabs**

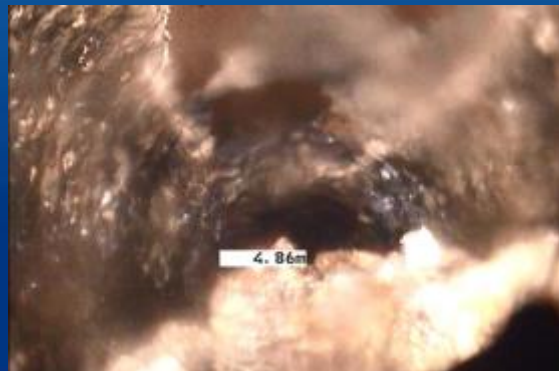
- Eco Tabs invented and developed tablet and powder form bacterial treatment.
- Approved for use in all food preparation areas by NSF
- 100% environmentally friendly, no chemicals or enzymes
- 100% safe for all human, animal, aquatic and wildlife
- Easy to use, one tablet a week. No training or protective clothing required

- **There is a way to eliminate FOG**

- There is ample scientific evidence that proves that bacteria digest ('eat') FOG. Bacteria double in number every 20 minutes if they can eat FOG, therefore if we can apply the correct mixture/dosage of bacteria into a grease trap, the bacteria will multiply until all of the FOG is digested.

- **ECO WMT eliminates FOG**

Before

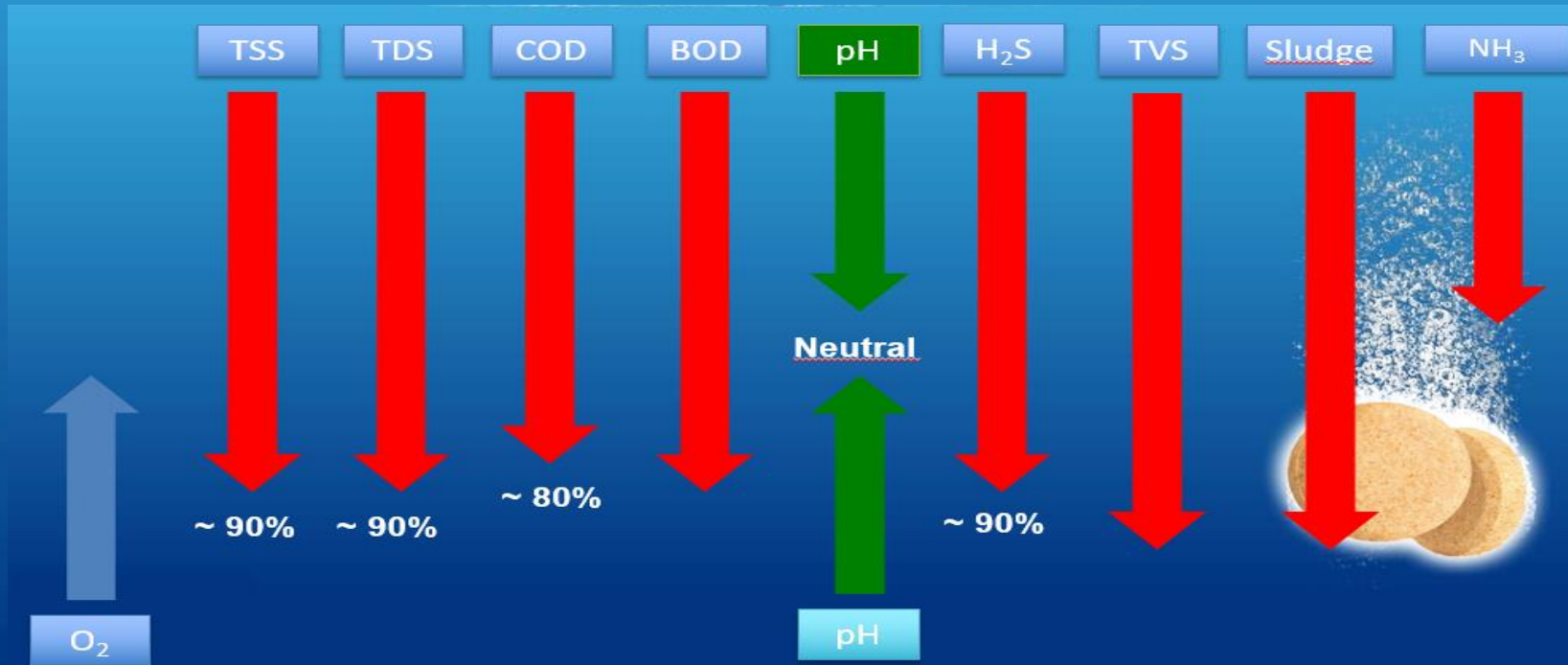


After



# Results can be seen by Using Eco Tabs

- By using Eco Tabs in grease traps, the following results will be delivered



# Benefits

- Bacterial action digests the FOG in the grease separator, pipework and drains
- No FOG enters the wastewater network
- The entire grease separator system/pipework/drains will be clear of FOG eliminating the risk of blockages, odours etc
- The grease trap will remain clean as the bacterial colony digest FOG 24/7
- Prolongs life of equipment, pipework etc
- No need for enzymes and dosing machines. No need for electrical power
- Bacteria comes in tablet form, easy to apply, takes 30 seconds a week

# Water Act

- The Law (Water Act 1991 section 111)

It is a criminal offence to discharge into the public sewers any matter that may interfere with the free flow of wastewater. In addition, where the water company has incurred costs with dealing with the detrimental effects on the sewers, eg removing blockages, cleaning sewers, investigating and remedying flooding or pollution incidents, it can take legal action to recover these costs. Prosecution can result in substantial fines or even imprisonment.



**Thank You**

Eco WMT Limited are sole distributors for Eco Tabs in UK, RoI and India. For further information, please call Bob Birch of Eco WMT on 07768 147708 or Email him at [bob.birch@eco-wmt.co.uk](mailto:bob.birch@eco-wmt.co.uk)