



Our  
Grease Eradication System®  
(GES)

# Purpose of the Systems

- Our systems provide you with a preventative maintenance program, eradicating grease, oil, fat, sugar, starch and gelatin from your trade waste lines. This will reduce blockages, odours, grease trap pumping, emergency plumbers call out fees and local council surcharges on poor quality waste water.

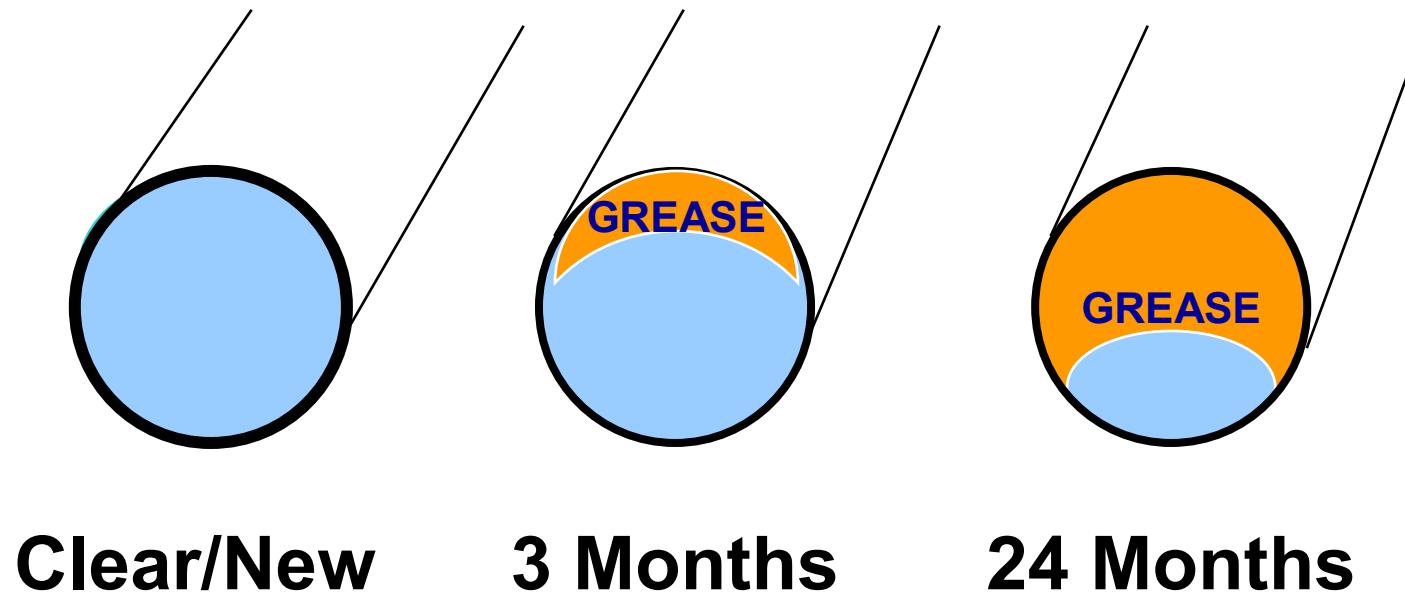
# The Nature of Grease

- Lighter than water. Hydrophobic (has no affinity with water). Coagulates and rapidly turns rancid.
- These characteristics cause grease to accumulate in waste lines and sewers resulting in blockages and odours as well as problems for wastewater treatment.
- For these reasons, all commercial and industrial food preparation operations are required to pre-treat their wastewater before discharging it to sewer.

# The Problems Grease Causes

- Drain and sewer line blockages resulting in back-ups.
- Foul odours.
- Frequent Grease Trap Pumping.
- Causes pumps and switches to fail.
- Raises pollutant levels in waste water.
- Intractable nature requires treatment with harsh chemicals.
- Difficult to dispose of.

# Cross Section of a drain line showing how grease accumulates



# Methods of Dealing with Grease Problems

- Eeling and jetting
- Surfactants (detergents, emulsifiers) and solvents
- Enzymes
- Bioremediation

# The Cost of Dealing with Grease

- Plumbers fees to clear blockages.
- Staff to clean up greasy waste water.
- Offensive lingering odours.
- Grease trap pumping and disposal fees.
- Cost to affected tenancies.
- Water quality charges.
- Detrimental to the Environment.

# THE GREASE ERADICATION SYSTEM<sup>®</sup> (GES)

- Environmental Biotech's GES<sup>®</sup> uses live, vegetative bacteria.
- They are injected into the trade waste system at frequent intervals as far upstream as possible, and are carried through the system by wastewater flow.



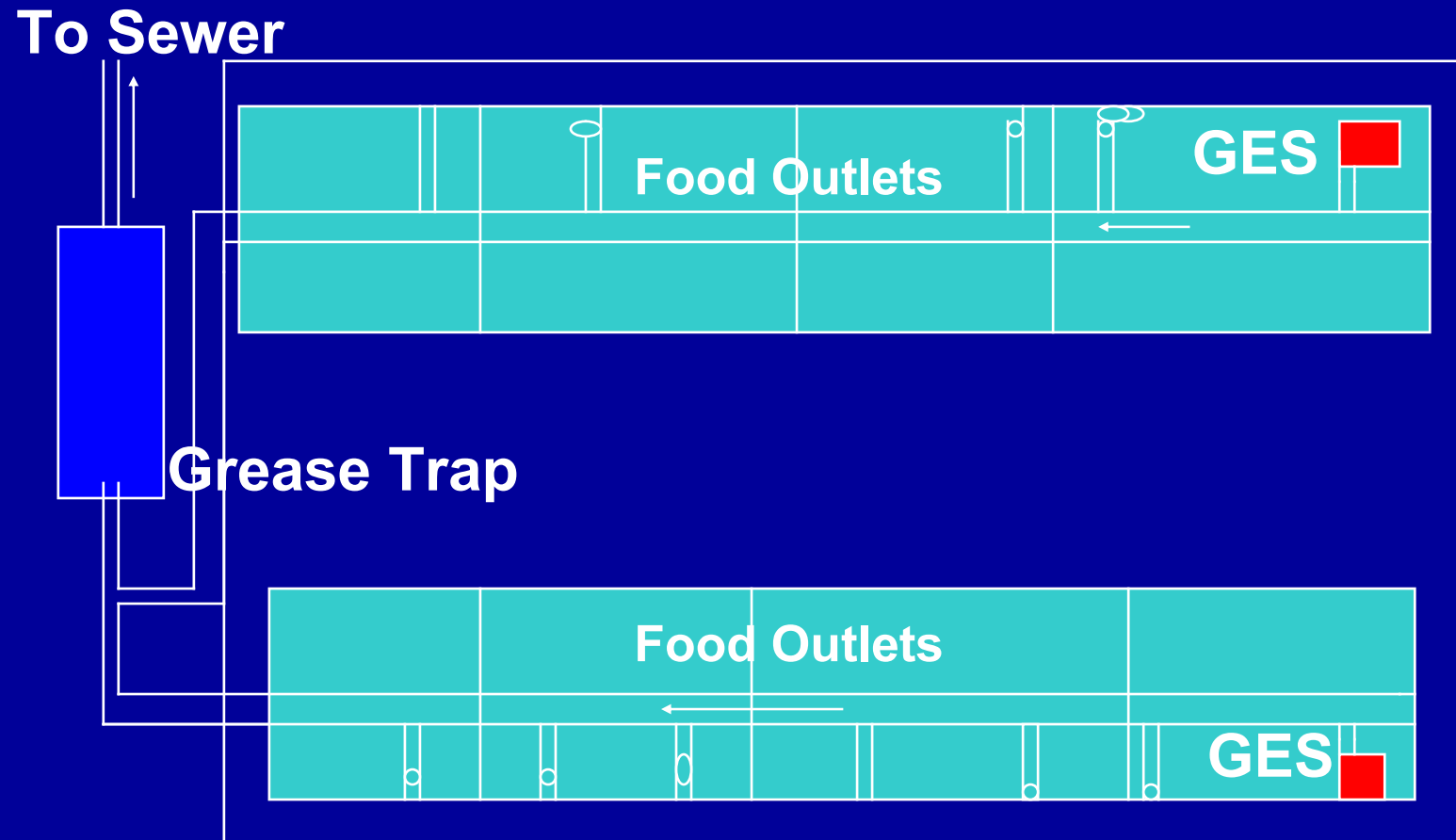
# THE BACTERIA ARE:

- Non – Toxic
- Non – Caustic
- Non – Corrosive
- Non – Pathogenic  
(Do not cause disease)
- Certified:-
  - Salmonella free
  - Pseudomonas free
  - 100% biodegradable

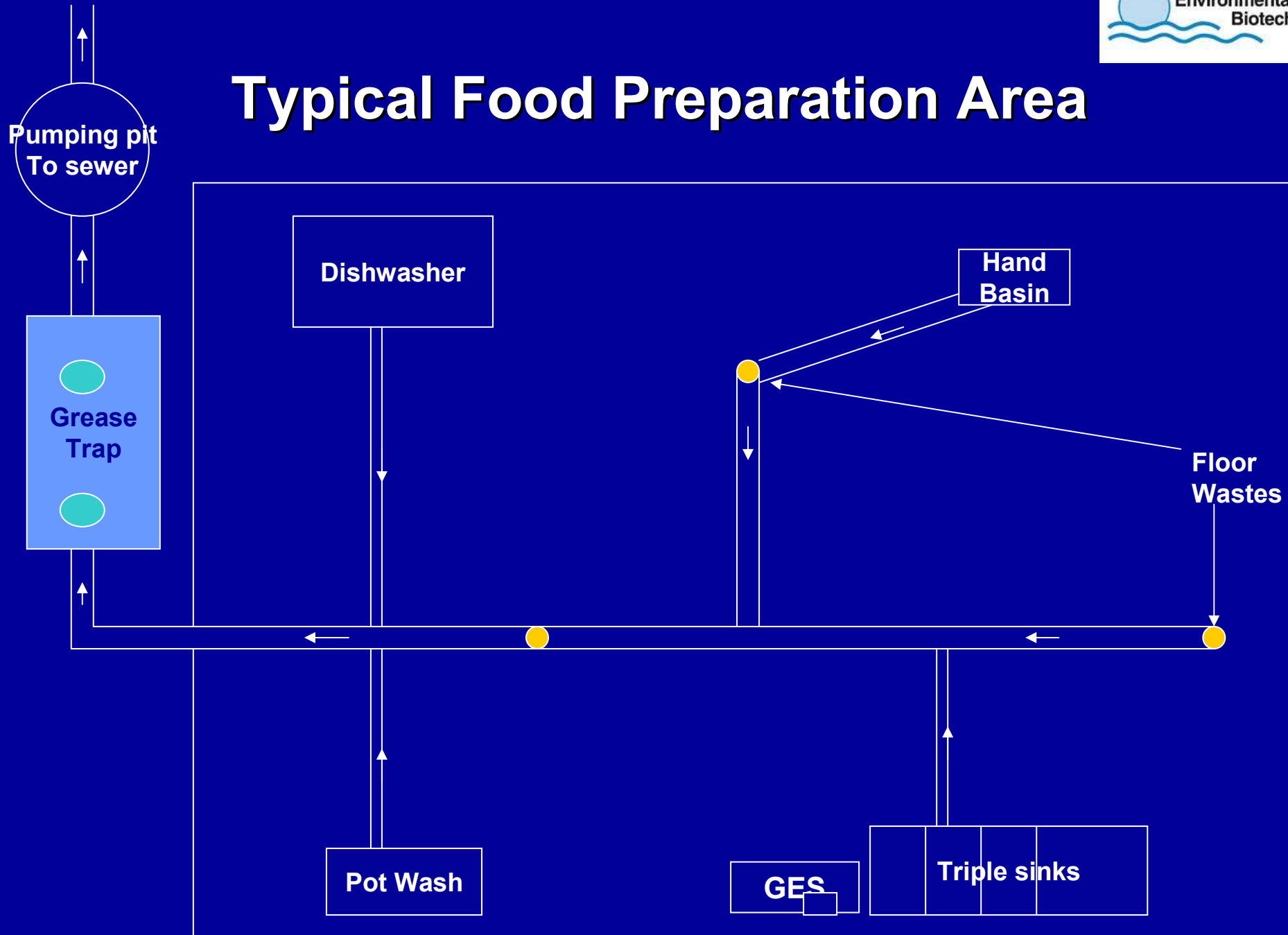
# Benefits of the GES<sup>®</sup>:

- Reduces blockages due to grease.
- Reduces foul grease odours.
- Reduces frequency of grease trap pumping and treatment/disposal charges.
- Implements preventative maintenance program for your drainlines/grease trap/pumping pits.
- Reduces surcharges for BOD, TSS and G&O.
- Reduces the impact of your greasy waste on the environment.
- Safe to use and beneficial for your business.

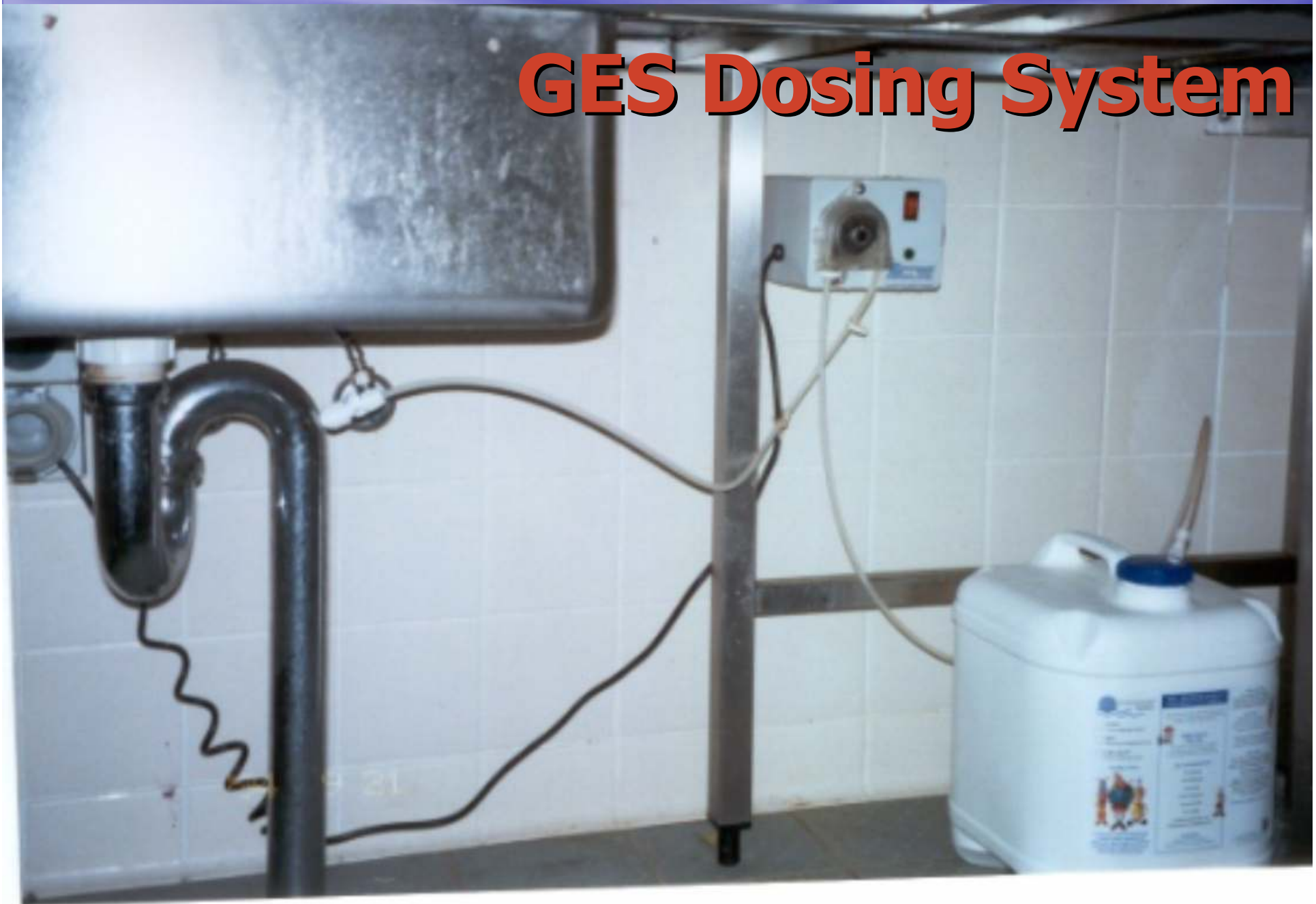
# Typical GES Installation in Food Court



# Typical Food Preparation Area



# GES Dosing System



# Fortnightly Service Includes:

- Replacement of Bacteria.
- Spraying of floor wastes and sinks.
- Check on dosing equipment.
- Grease trap inspection, measuring pH, temperature, grease and solids.
- Service Inspection report submitted with each visit.
- Advice on improvements to kitchen practices.