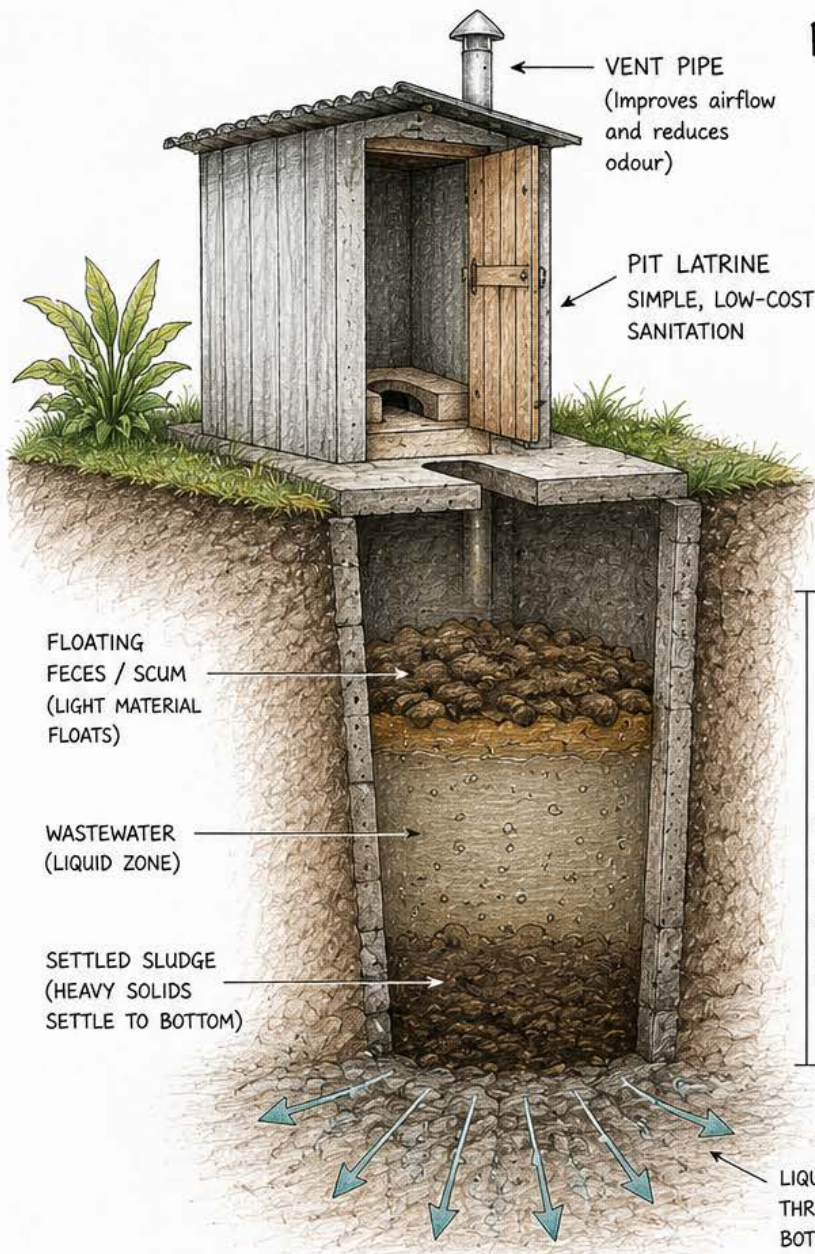


PIT LATRINE – HOW IT WORKS



HOW DR WATER LOO WORKS

- ① Tablets are dropped into the pit.
- ② Micro-organisms, oxygen and natural acids activate.
- ③ Waste is broken down naturally.
- ④ Liquids percolate into the surrounding soil.
- ⑤ Solids are reduced over time.

RESULT

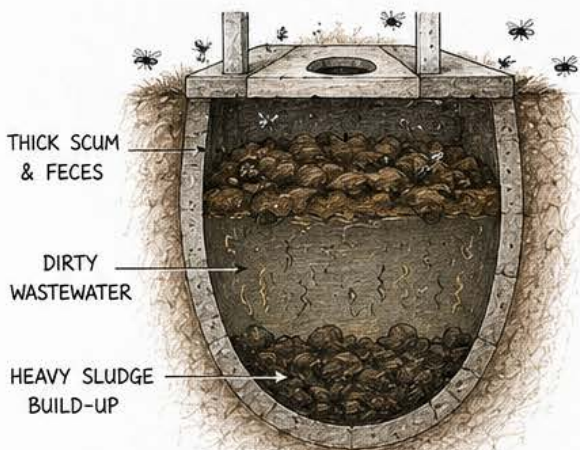
- Reduced odour
- Fewer flies and maggots
- Faster breakdown
- Lower pit level
- Cleaner environment
- Restored soil seepage

IMPORTANT

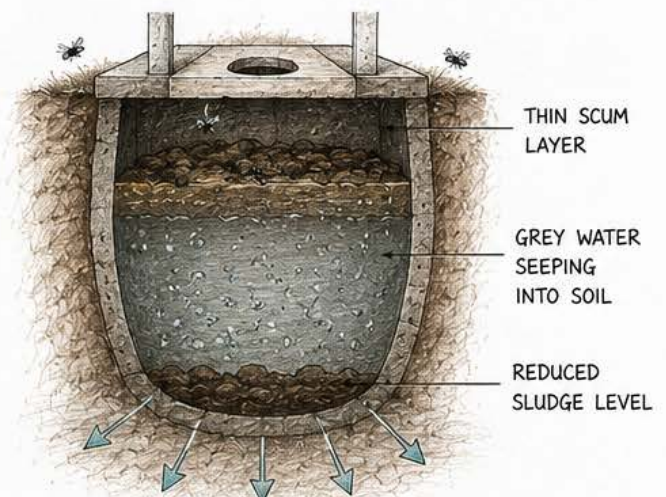
Treatment must be repeated every 7 - 10 days for continuous performance.

BEFORE AND AFTER TREATMENT

BEFORE TREATMENT
(DIRTY, ODOROUS, FLY INFESTED)



AFTER TREATMENT
(CLEANER, LESS ODOUR, FEWER FLIES)



NOTE: DO NOT ADD CHEMICALS, BLEACH OR DISINFECTANTS – THEY KILL THE GOOD BACTERIA.
USE DR WATER LOO TABLETS EVERY 7 - 10 DAYS.

PAGE 1: FIELD APPLICATION & PREPARATION

PRODUCT PREPARATION & APPLICATION GUIDE

STEP	FIELD APPLICATION & PREPARATION INSTRUCTIONS
1	Open the Treatment Box: Open the box and verify it contains the two circular 4.5 cm diameter treatment tablets (one white, one brown-granulated). Keep them inside the plastic sachet initially.
2	Crush Tablets in Cover: Keep the tablets sealed inside their protective plastic cover and crush them thoroughly by hitting them with a stone or heavy tool (this keeps the active ingredients contained).
3	Prepare 3 Liters of Water: Measure exactly 3 Liters of clean water in a bucket or container. Open the crushed plastic cover and empty all the powder into the water.
4	Stir Thoroughly: Stir the water with a clean stick or paddle until the crushed Dr Water Loo tablet powders are completely dissolved and evenly mixed into a uniform treatment solution.
5	Sanitize the Seat: Soak a clean cloth in the water mixture and wipe down the toilet seat and surround thoroughly. This provides instant surface sanitization, hygiene, and odour control.
6	Treat the Pit Latrine: Pour the remaining 2 Liters of the water mixture directly into the toilet bowl or pit latrine opening to treat the sludge beneath.
7	Ready for Immediate Use: The toilet environment is immediately sanitized, deodorized, and ready to be used safely. Repeat the treatment every 7 to 10 days to maintain aerobic activity.

IMPORTANT DO NOT USE HARSH CHEMICALS

CRITICAL MICROBE PROTECTION: Standard chemical bleach, chlorine, sanitizers, or harsh acid cleaners should **NEVER** be added to treated toilets or pit latrines. These aggressive chemical agents destroy the beneficial living microbial cultures introduced by Dr Water Loo, instantly halting the natural organic waste decomposition process. Clean the seat with the Dr Water Loo water mixture only.

PAGE 2: SYSTEM SCHEMATIC & BIOLOGICAL ACTION

HOW DR WATER LOO BIOLOGICAL RESTORATION WORKS



HOW DR WATER LOO WORKS

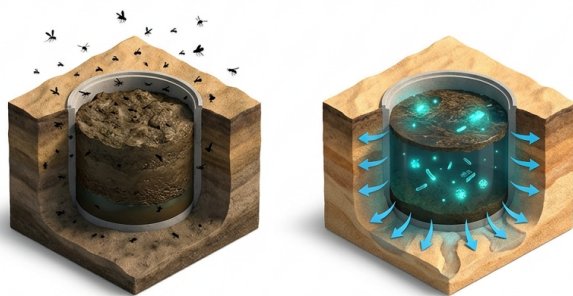
- **Tablet Activation:** Two tablets (white oxygen/microbe and brown nutrient-rich) are crushed together in their plastic pouch to blend active ingredients.
- **Initial Mixing:** Crushed powders are mixed into 3 Liters of water and stirred to wake up dry, dormant lab-propagated microbes.
- **Aerobic Flush:** Pouring the mixture into the pit introduces highly active, oxygen-loving microbes directly into the stagnant organic sludge.
- **Biological Digestion:** Microbes digest solid feces and organic waste, converting solids into safe grey water and carbon dioxide.
- **Soil Seepage Restored:** Microorganisms consume the thick anaerobic slime layer clogging the soil walls, reopening natural drainage.

EXPECTED SCIENTIFIC RESULTS

- **Odour Neutralization:** Aerobic activity replaces foul-smelling anaerobic sulfur gases with organic carbon dioxide within 24-48 hours.
- **Fly and Insect Eradication:** By digesting the organic food source, flies, mosquitoes, and maggots are completely eliminated in 3 days.
- **Significant Sludge Drop:** Within the first few days of initial treatment, **the sludge level in a full pit drops by 35 to 45 cm.**
- **No Manual Emptying:** Biological volume reduction saves households from hazardous, expensive physical emptying or relocating toilets.

IMPORTANT COMPATIBILITY WARNING

DO NOT ADD HARSH CHEMICALS: Standard chemical bleach, chlorine, disinfectants, or heavy acid cleaners must **NEVER** be added to treated pit latrines. These toxic agents kill the active, living aerobic microbes and completely halt the organic digestion process.



THE BIOLOGICAL DIFFERENCE

SCIENTIFIC OVERVIEW: Pit latrines fail and overflow because anaerobic conditions allow a thick, solid slime layer to seal the pit walls. By dropping the two organic tablets, millions of active, oxygen-loving microbes dissolve this slime layer and digest the heavy sludge. This restores natural soil seepage, eliminating foul smells and dropping full pit levels by 35 to 45 cm in the first few days.

PAGE 3: PUBLIC HEALTH & SIERRA LEONE PILOT DATA

PRIMARY PUBLIC HEALTH & ENVIRONMENTAL BENEFITS

PRIMARY PUBLIC HEALTH BENEFITS

By eliminating disease vectors (flies, mosquitoes, and maggots) within 3 days, the treatment directly manages and reduces the spread of deadly primary pathogens. This prevents outbreaks of **childhood diarrhea, cholera, intestinal roundworms (helminths), and secondary bladder infections**, securing immediate protection for families.

ENVIRONMENT & SOIL RESTORATION

Treating human waste biologically directly inside the pit protects the natural groundwater tables, nearby streams, dams, and rivers from raw, toxic contamination. It leaves the surrounding soil biologically active, turning a severe community hazard into a localized environmental asset.

FACTUAL PILOT CASE STUDY: SIERRA LEONE (2023)

METRIC	STUDY DETAILS & VERIFIED OUTCOMES
Pilot Authority	Conducted in 2023 by the Sierra Leone Ministry of Health and Sanitation across challenging peri-urban and informal settlements.
Three Diverse Climates	Tested concurrently in Brookfields (flat plain), Sumalia Town (hilly mountainous), and Kroo Bay (high-water table coastal slum).
Household Scope	Deployed and monitored in 267 distinct community households , covering thousands of direct beneficiaries.
User Satisfaction Rate	83% of surveyed families reported high satisfaction due to immediate odour elimination and fly eradication.
Manual Emptying Prevented	0% of treated pit latrines or septic tanks required manual emptying or suction trucks after application, preserving physical infrastructure.
Restored Soil Seepage	All active sites showed rapid level drop, proving that biological breakdown of the soil wall slime successfully restored natural liquid drainage.

Dr Water Loo is an organic, 100% natural microbial sanitation treatment manufactured by **SH & MA Trading** in Johannesburg, South Africa.
 Email: info@drwloo.com | Website: www.drwloo.com | Slogan: "Sanitation is Dignity"