

PERFECT ECOLOGY

NATURAL SUSTAINABILITY



WATER TREATMENT SOLUTIONS

FOR AQUACULTURE ENVIRONMENTS,
WASTE-WATER PLANTS,
SEWAGE PUMP AND LIFT STATIONS,
SEPTIC TANKS, SEPTIC SYSTEMS AND DRAIN LINES

PERFECT ECOLOGY

IS A LEADING SUPPLIER FOR BIO-DEGRADABLE,
ECO-FRIENDLY CHEMICALS, BACTERIAL, PROBIOTIC,
MICROBIAL AND ENZYME PRODUCTS.

OUR ENVIRONMENTALLY FRIENDLY PRODUCTS ARE
EXTREMELY HIGH PERFORMANCE AND EASILY
SURPASS HARSH CHEMICALS.

OUR GOAL
IS NATURAL
SUSTAINABILITY

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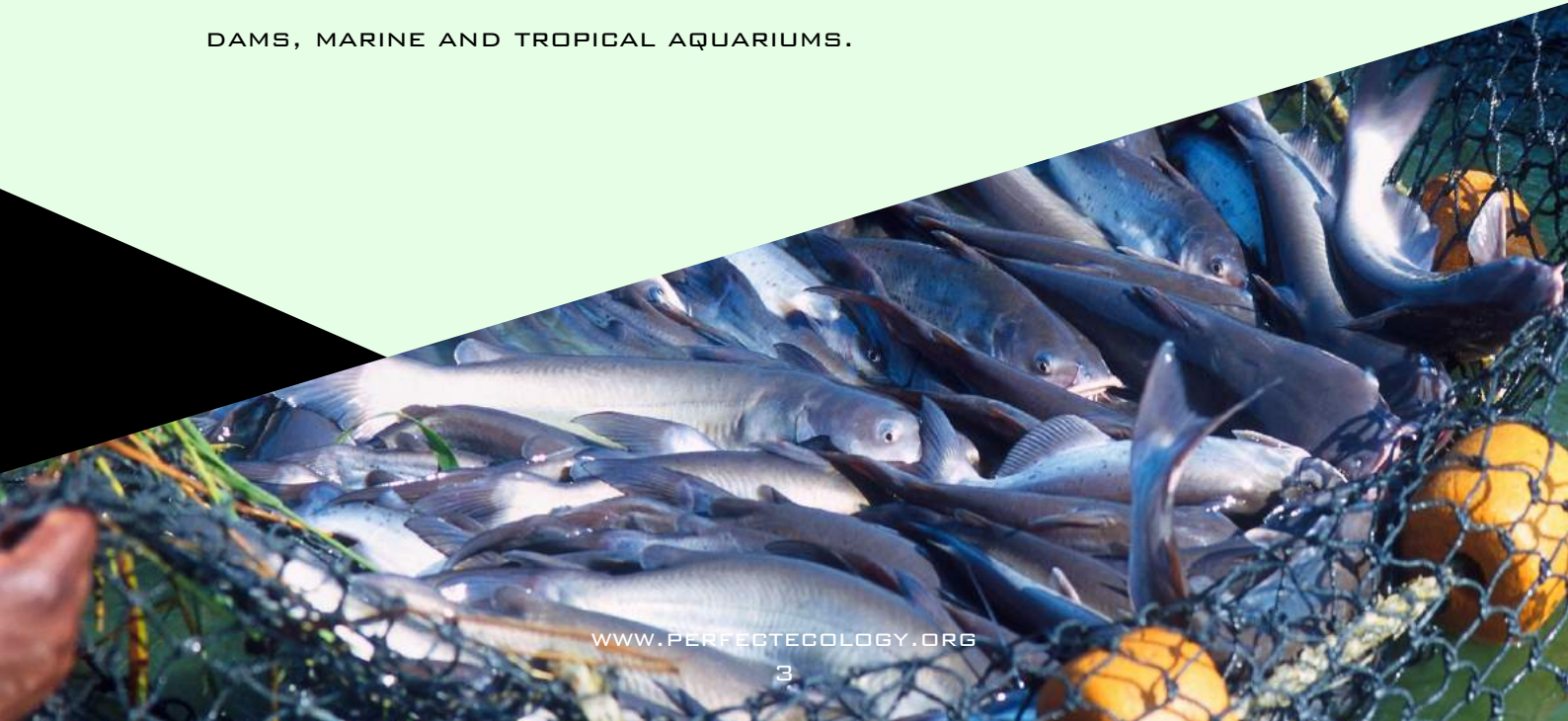
PERFECT ECOLOGY

NATURAL SUSTAINABILITY

AQUA GOBBLER

REVOLUTIONARY PROPRIETARY BACTERIAL ADDITIVE FOR
RETICULATED AQUACULTURE TREATMENT WHICH CREATES A
HEALTHIER ENVIRONMENT, REDUCES DISEASES, REDUCES ALGAE,
ADDS SPARKLE TO WATER AND VISUALLY CLEANS PONDS, LAKES,
COMMERCIAL FISH FARMS, TROPICAL, MARINE AQUARIUMS AND
FISH TANKS.

AQUA GOBBLER™ IS A NATURAL, SAFE AND HIGHLY EFFECTIVE BIO ENZYME
TREATMENT FOR RETICULATED AQUACULTURE ENVIRONMENTS WHICH HELPS
TO ADD A BEAUTIFUL SPARKLE TO WATER AND EFFECTIVELY CLEANS ITS
TARGET ENVIRONMENT BY ENHANCING THE NATURAL BIOLOGICAL PROCESSES
USING A STRAIN OF PROPRIETARY ENZYME PRODUCING BACTERIA IN PONDS,
DAMS, MARINE AND TROPICAL AQUARIUMS.



MODE OF ACTION

THE ENZYME PRODUCING BACTERIA IN AQUA GOBBLER™ ARE PHYSIOLOGICALLY ROBUST AND ARE FORMULATED INTO A VERY STABLE COMMERCIAL WATER TREATMENT PRODUCT WHICH IS EASILY TOLERANT TO THE HARSH ENVIRONMENTAL CONDITIONS REQUIRED IN ITS APPLICATION.

AQUA GOBBLER™ USES THE MODE OF COMPETITIVE EXCLUSION TO KILL OFF BAD PATHOGENS. WHAT THIS MEANS IS THAT THE GOOD BACTERIA IN AQUA GOBBLER™ DISPLAY AN EXPONENTIALLY HIGHER GROWTH RATE AND COMPETE WITH, WIN AND DIGEST THE FOOD THAT BAD BACTERIA NEED TO SURVIVE. AQUA GOBBLER™ ESSENTIALLY STARVES BAD PATHOGENS OF THEIR FOOD SOURCE AND THEY EVENTUALLY DIE OFF.

AQUA GOBBLER™ FUNCTIONS ACROSS A WIDE RANGE OF PHYSIOLOGICAL CONDITIONS, INCLUDING SALINITY, PH AND TEMPERATURE. OPTIMUM WATER TEMPERATURES SIGNIFICANTLY ADD TO THE PERFORMANCE OF AQUA GOBBLER™ WHILE RELATIVE FLUCTUATIONS OF WATER SALINITY AND PH DO NOT HAVE A SIGNIFICANT PERFORMANCE IMPACT WHICH ADDS GREATLY TO ITS OVERALL BENEFIT AND ATTRACTIVENESS IN APPLICATION.

PRODUCT FEATURES

- ENHANCES WATER QUALITY BY REDUCING THE CONCENTRATION OF C.O.D.'S AMMONIA, NITRITE, NITRATE AND PHOSPHATES
- REDUCES SOLIDS AND ORGANIC WASTES
- PATHOGEN INHIBITION ACTION
- PROMOTES HEALTHY FISH GROWTH AND LOWERS MORTALITY AND DISEASES
- REDUCES ALGAE BLOOM PROLIFERATION
- BIOLOGICAL FILTER MATURATION

CURRENT GLOBAL CHALLENGES

GLOBAL AQUACULTURE CHALLENGED AROUND THE WORLD BY POOR WATER QUALITY AND THE REGULAR OUTBREAK OF DISEASES CAUSED BY BAD PATHOGENS.

USING BENEFICIAL ENZYME PRODUCING BACTERIA AS A BIOLOGICAL TREATMENT AGENT HAS MASSIVE ADVANTAGES TO ADDRESS AQUACULTURE CHALLENGES BY IMPROVING WATER QUALITY AND REDUCING DISEASES CAUSED BY BAD PATHOGENIC BACTERIA.

SUMMARY

AQUA GOBBLER™ WILL INVALUABLY GREATLY CONTRIBUTE TO A HEALTHIER AND VISUALLY CLEANER AQUATIC ENVIRONMENT, IN RESIDENTIAL BUT ESPECIALLY COMMERCIAL ENVIRONMENTS WHERE HEALTH, A HIGH GROWTH RATE, HIGH STOCKING DENSITY AND GREATLY REDUCED DISEASES AND LOW ENVIRONMENTAL POLLUTION IS REQUIRED. AQUA GOBBLER™ IS ESSENTIAL FOR A RAPIDLY GROWING, HIGH-VALUE INDUSTRY, AND THE HEALTH AND SURVIVAL OF COUNTLESS FISH SPECIES WHICH IS A CRITICAL REQUIREMENT FOR THE SUCCESS OF BUSINESS AND THE PRESERVATION OF OUR PRECIOUS PLANET.



PUMP STATION GOBBLER

PROPRIETARY BIO-ENZYME TREATMENT FOR PUMP AND LIFT STATIONS WHICH RAPIDLY DIGESTS GREASES WHILE CONTROLLING ODOURS. PUMP LIFESPAN IS INCREASED, ELECTRICITY & MAINTENANCE COSTS ARE REDUCED, AND SLUDGE HAULAGE COSTS ARE COMPLETELY ELIMINATED.

GREEN CLEANING TECHNOLOGY

BILLIONS OF YEARS AGO MOTHER NATURE HAD ALREADY SOLVED THE PROBLEM OF HOW TO KEEP THE EARTH CLEAN, NATURALLY. RECENT BREAKTHROUGHS IN SCIENCE AND TECHNOLOGY HAVE HELPED US TO UNDERSTAND HOW THIS IS MADE POSSIBLE. BY USING THE CORRECT GOOD OR BENEFICIAL BACTERIA VIRTUALLY ANY ORGANIC EFFLUENT CAN BE SAFELY AND NATURALLY BIODEGRADED FAR QUICKER AND MORE COST EFFECTIVELY THAN TRADITIONAL HARMFUL CHEMICALS WHILE BEING COMPLETELY ECO-FRIENDLY.

CURRENT CHALLENGES

IT IS AN INDUSTRY FACT THAT FATS, OILS AND GREASES (F.O.G.'S IN PUMP AND LIFT STATIONS ARE A SEVERE PROBLEM. GREASE OBSTRUCTS FLOATS, REDUCES THE LIFE OF PUMPS, INCREASES ELECTRICITY CONSUMPTION, ODOURS ARE UNBEARABLE, AND MANUAL SLUDGE REMOVAL COSTS ARE EXTREMELY HIGH AND LABOUR INTENSIVE.

BLOCKAGES CAUSED BY GREASE IS THE MOST PREVALENT CAUSE OF MAIN SEWER LINE BLOCKAGES AND SEWAGE OVERFLOWS, COSTING THE GLOBAL INDUSTRY BILLIONS ANNUALLY. AN INTERESTING FACT IS THAT NEARLY ALL SEWER LINE BLOCKAGES ARE CAUSED BY GREASE, AND NOT DEBRIS. MANUAL UNBLOCKING ONLY SERVES TO MAKE THE GREASE DEPOSIT TEMPORARILY TRANSFER AND THEN REDEPOSIT FURTHER DOWNSTREAM.

CONVENTIONAL SOLUTIONS

THE TRADITIONAL APPROACH TO THE CLEANING, PUMPING, AND HAULING COSTS OF PUMP STATIONS ARE MECHANICAL, INEFFICIENT AND COST MANY THOUSANDS OF U.S. DOLLARS PER SITE ON AN ONGOING BASIS, AND THESE PRACTICES ARE NOT ENVIRONMENTALLY FRIENDLY WITH A VERY HIGH ASSOCIATED CARBON FOOTPRINT. THESE MEASURES NEVER SOLVE THE PROBLEM AND ARE A TEMPORARY FIX AS THE PROBLEMS REOCCUR AGAIN IN A VERY SHORT SPACE OF TIME.



SEWER OVERFLOWS & SPILLS

WHEN PUMP STATIONS BLOCK UP AND RAW SEWERAGE CONSEQUENTLY SPILLS OUT INTO SUBURBS, TOWNSHIPS, RIVERS AND HARBOURS, IT CAUSES A MASSIVE POTENTIAL HEALTH HAZARD IN THE FORM OF TYPHOID AND CHOLERA.

JUST BY USING PUMP STATION GOBBLER™, BAD PATHOGENS ARE CONTROLLED THROUGH A SCIENTIFIC PROCESS KNOWN AS COMPETITIVE EXCLUSION. THIS HAS A MASSIVE POSITIVE EFFECT IN MITIGATING THE SEVERE HEALTH RISKS CAUSED BY PUMP STATION OVERFLOWS.

PERFECT ECOLOGY SOLUTIONS

REGULAR AUTOMATED DOSING WITH PUMP STATION GOBBLER™ IS THE PROVEN AND PROACTIVE APPROACH TO SOLVING CURRENT CHALLENGES PERMANENTLY. THE PRODUCT CONTAINS AN INDUSTRY FIRST PROPRIETARY BLEND OF LOCALLY CULTIVATED SPECIALLY SELECTED ECOZYME BACTERIA WHICH COLONIZE THE ENTIRE PUMP STATION AND SELECTIVELY SECRETE THE APPROPRIATE ENZYMES TO DIGEST ALL THE DIFFERENT WASTE TYPES PERMANENTLY INTO WATER AND CARBON DIOXIDE. IT ALSO CONTAINS AN ECOZYME EXCLUSIVELY DEVELOPED SYSTEM TO PENETRATE, LOOSEN AND LIQUEFY HEAVY GREASE DEPOSITS TO RAPIDLY AID THEIR BREAKDOWN.

THESE ADVANTAGES THEN CONTINUE DOWNSTREAM EXTENDING TO KEEPING SEWER LINES FREE FLOWING AND MAINTENANCE FREE. THESE BENEFITS THEN EVENTUALLY MANIFEST IN THE SEWER PLANT FOR HUGE SAVINGS IN THE REDUCTION OF ODOUR, SLUDGE REMOVAL, PLANT MAINTENANCE, ELECTRICITY CONSUMPTION, MACHINE DOWNTIME AND MUCH MORE.

DOSING & AUTOMATION

PUMP STATION GOBBLER™ IS SPECIALLY FORMULATED IN LIQUID FORM, TO BE EASILY AND AUTOMATICALLY DOSED INTO THE AFFECTED PUMP OR LIFT STATION USING THE ECOZYME ADVANCED DOSING SYSTEM. USE IN CONJUNCTION WITH SEWER GOBBLER FOR AUTOMATED DOSING AT SEWER PLANTS FOR THE ULTIMATE IN BIO-ENZYME WASTE DEGRADATION.

PRODUCT SPECIFICATIONS

- CULTIVATED FROM S.A. SOILS
- MIN. CFU COUNT: 7×10^9 PER ML
- EDTA FREE
- ECO-CHOICE ACCREDITED
- HERITAGE ENVIRO CERTIFIED
- NON-TOXIC, NON- CORROSIVE
- NON-VOLATILE, VAPOUR FREE
- NON-OXIDIZING
- E-COLI, SALMONELLA, COLIFORM FREE
- MICROBES ARE ENDOTOXIN FREE
- NON GENETICALLY MODIFIED
- NON MUTAGENIC



SEWER GOBBLER

A PROPRIETARY TREATMENT OF SPECIALLY SELECTED BACTERIA AND MICROBIAL STRAINS WHICH PRODUCE MASSIVE CONCENTRATIONS OF DIGESTIVE ENZYMES WHEN INTRODUCED INTO WASTEWATER AND SEWERAGE ENVIRONMENTS.

INTRODUCTION & CHALLENGES

SLUDGE

SLUDGE HANDLING IS THE NUMBER ONE PROBLEM WASTE WATER TREATMENT PLANTS. WHAT ENTERS THE WASTE WATER PLANT HAS TO EXIT THE PLANT AT SOME TIME AND SOME PLACE. THE MORE SLUDGE REMOVED, THE GREATER THE EXPENSE IN LABOUR, OFFSITE HAULING AND DISPOSAL, NOT TO MENTION THAT THE HUGE CARBON FOOTPRINT OF OFFSITE HAULAGE COSTS. SLUDGE HANDLING COSTS VARY FROM TENS OF THOUSANDS OF RANDS IN SMALL PLANTS, TO HUNDREDS OF THOUSANDS OR EVEN SEVERAL MILLION RANDS IN LARGER FACILITIES, ON A MONTHLY BASIS.

MECHANICAL EQUIPMENT FAILURE

AS SLUDGE BUILDS UP IN THE SYSTEM THE WASTE WATER'S VISCOSITY BECOMES MUCH THICKER WHICH IMMEDIATELY PUTS ENORMOUS STRAIN ON ALL THE MECHANICAL MACHINERY IN THE SEWERAGE PLANT WHICH RESULTS IN COMPONENTS FAILING AND BREAKING MORE OFTEN FROM THE EXTRA TORQUE REQUIREMENTS PLACED ON THEM FOR WHICH THEY ARE NOT DESIGNED. EQUIPMENT REPAIRS IN THESE INSTANCES ARE HIGH CAPEX ITEMS WHICH ARE MOSTLY UNPLANNED FOR AND EXTREMELY EXPENSIVE.

ELECTRICITY COSTS

AN ADDITION TO THE MECHANICAL STRAIN SLUDGE CAUSES, THE ELECTRO MECHANICAL SYSTEMS IN THE PLANT RUN AT A FRACTION OF THEIR INTENDED EFFICIENCY RESULTING IN LARGE INEFFICIENCIES OF SCALE WHICH GREATLY INCREASES UTILITY AND OVERALL ELECTRICAL BILLS WHICH ARE HUGE COST ITEMS WHEN LOOKING AT THE OVERALL MONTHLY COSTS OF RUNNING A SEWER TREATMENT PLANT.

DOWNTIME

WITH THE PROBLEMS CAUSED BY SLUDGE BUILD-UP, MECHANICAL FAILURE IS EVENTUALLY GUARANTEED, AND THIS RESULTS IN THE TOTAL IN-OPERATION OF SMALLER PLANTS OR PARTIAL CLOSURE OF LARGER PLANTS FOR REPAIRS. THIS IN TURN PLACES SEVERE OPERATIONAL LOADS AND CONSTRAINTS ON OTHER SECTIONS OF THE PLANT WHICH HAS A VICIOUS KNOCK-ON EFFECT WHICH STARTS ALL OVER AGAIN IN A CONTINUING AND DOWNWARD SPIRAL.

ODOUR POLLUTION

THE ODOUR GENERATED BY SEWER PLANTS IS ENORMOUS AND CAN OFTEN BE OVERBEARING DEPENDING ON THE STATE OF THE WASTE IN THE PLANT. BY PURE DESIGN OR EVENTUAL POPULATION EXPANSION SEWER PLANTS ARE OFTEN SITUATED IN RESIDENTIAL OR COMMERCIAL AREAS AND THE FOUL ODOURS GENERATED CAN BE UNBEARABLE. THIS HAS AN IMMEDIATE AND NEGATIVE EFFECT ON PERCEPTION OF COMMERCE AND INDUSTRY AS WELL AS DETERIORATING PROPERTY VALUE, NOT TO MENTION QUALITY OF LIFE FOR SURROUNDING COMMUNITIES AND BUSINESSES.

EFFLUENT DISCHARGE RESULTS

SEWER GOBBLER™ GETS RESULTS, PERIOD. IN CASE STUDY AFTER CASE STUDY ON ACTUAL SEWER PLANT EFFLUENT, IT DEMONSTRATES MASSIVE REDUCTIONS IN COD'S, AMMONIA, NITRATE, NITRITE, PHOSPHATE, E-COLI, FAECAL COLIFORMS AND ODOUR IN A VERY SHORT SPACE OF TIME. THESE TEST RESULTS ARE FREELY AVAILABLE.



ONGOING PROBLEMS

SUCH LARGE EXPENDITURES AND CHALLENGES ARE NOT LIKELY TO DECREASE BECAUSE OF EXPANDING POPULATION, FEWER APPROVED DISPOSAL SITES, INFLATION, INCREASED USE OF CHEMICALS WHICH ADD TO SLUDGE VOLUME AND DETERIORATED STATE OF THE SLUDGE AND WASTE, AS WELL AS EVER TIGHTER GROWING REGULATIONS. THERE IS AN ENORMOUS CONSUMER TREND OF INCREASING THE DISINFECTANT PROPERTIES OF COMMERCIAL HYGIENE, CLEANING AND PERSONAL CARE PRODUCTS.

THESE DISINFECTANTS ARE TRANSFERRED DOWNSTREAM AND INDISCRIMINATELY KILL ALL BACTERIA, GOOD AND BAD, WHICH ARE NEEDED FOR SEWER PLANTS TO FUNCTION CORRECTLY. WITHOUT GOOD BACTERIA, SEWER PLANTS WILL GRIND TO AN IMMEDIATE HALT.

THE SOLUTION

SEWER GOBBLER IS THE SOLUTION TO REDUCING OR ELIMINATING THESE COSTS AND SOLVING THE PROBLEMS FACED. THE USUAL APPROACH IN WASTE WATER PLANTS HAS BEEN TO ADD PLANT CAPACITY WITH LARGER TANKS, MORE AIR, ETC., AND TO A DEGREE THIS IS SOMETIMES NECESSARY. THIS IS EXTREMELY COSTLY AND INVOLVES ENORMOUS CAPITAL EXPENDITURE WHICH IS NORMALLY NOT SUFFICIENTLY BUDGETED AND, YET STILL WITH A RESULTING INCREASE IN SLUDGE HANDLING AND EXPENSES. IT IS IMPORTANT TO NOTE THAT THE PHYSICAL ASPECTS OF A PLANT DO NOT DIGEST THE WASTE. IT IS THE ENZYMES PRODUCED BY BACTERIA AND MICROORGANISMS. THE BEST POINT OF ATTACK IS TO REDUCE THE VOLUME OF SOLIDS THEREBY EFFECTING AN IMMEDIATE SAVING IN HAULING COSTS.

THIS IS DONE BY BIO-AUGMENTATION OF THE EXISTING MICROORGANISMS THROUGH ADDITION OF BIOLOGICALLY ACTIVE BACTERIAL SEED CULTURES WHICH PRODUCE MASSIVE AMOUNTS OF ENZYMES, ON A REGULAR PREVENTIVE MAINTENANCE SCHEDULE. BIO-ENZYME BACTERIAL AUGMENTATION MEANS HELPING MOTHER-NATURE DO A BETTER JOB MICROBIOLOGICALLY RATHER THAN FROM CONTINUED USE OF CHEMICAL ADDITIVES. JUST LIKE AN ASPIRIN THAT RELIEVES SOME COLD SYMPTOMS, BUT DOES NOT CURE THE COLD, CHEMICAL ADDITIVES TEMPORARILY RELIEVE THE SYMPTOMS OF POOR DIGESTION, BUT DO NOT CURE THE PROBLEM. SO WHAT EXACTLY ARE BIOLOGICALLY ACTIVE SEED CULTURES?

BIOLOGICALLY ACTIVE CULTURES

BIOLOGICALLY ACTIVE SEED CULTURES ARE MICROBIAL STRAINS OF NATURALLY OCCURRING MICROORGANISMS THAT HAVE BEEN ISOLATED AND TRAINED TO PRODUCE LARGE AMOUNTS OF DIGESTIVE ENZYMES WHEN INTRODUCED INTO A WASTE SYSTEM. THE SPECIAL ECO-FRIENDLY BACTERIAL ENZYME PRODUCING STRAINS IN SEWER GOBBLER™ ARE ENGINEERED TO BE THOUSANDS OF TIMES MORE ACTIVE THAN THOSE FOUND IN NATURE AND ARE CHOSEN FOR THEIR NATURAL RESISTANCE TO HARSH CHEMICALS AND DETERGENTS.

THIS IS THE REASON WHY PROPER ENZYME PRODUCING MICROBIAL STRAINS IN A PRODUCT ARE SO IMPORTANT. THEY MUST BE THE RIGHT AMOUNT AND OF THE PROPER KINDS. OUR BACTERIA ARE UNIQUELY DERIVED FROM SOUTH AFRICAN SOIL CULTURES, GIVING THEM A NATURAL HOME GROUND PERFORMANCE ADVANTAGE AND THEREFORE METABOLIZE FASTER, REPRODUCE AT SUPERIOR RATES AND LIVE FOR LONGER. EVERY BACTERIUM IN SEWER GOBBLER™ IS A MINIATURE POWER HOUSE ENZYME FACTORY WHICH PRODUCES ENZYMES 24 HOURS A DAY. IT IS THE MAIN THRUST OF BIOLOGICALLY ACTIVE SEED CULTURES. REGULAR DOSING OF SEWER AND WASTE WATER PLANTS ENSURES DOMINANCE OVER NATURALLY OCCURRING LESS ACTIVE BACTERIA FOR THE ULTIMATE RESULTS.

AUTOMATED DOSING

A CHALLENGE IN ANY ENVIRONMENT IS THE ALWAYS UNPREDICTABLE HUMAN FACTOR. PRECISE AND ACCURATE DOSING IS REQUIRED ON A LITERALLY PER MINUTE BASIS, HOUR BY HOUR, 24 HOURS A DAY, 365 DAYS OF THE YEAR. WHEN TRYING TO ADMINISTER PRODUCT IN POWDER FORM THIS BECOMES A PHYSICAL IMPOSSIBILITY. SEWER GOBBLER™ IS UNIQUELY AVAILABLE IN LIQUID AS WELL AS TRADITIONAL POWDER FORM. IN LIQUID FORM THIS MEANS BEING ABLE TO PRECISELY AND ACCURATELY DOSE WITH THE COST EFFECTIVE ECOZYME ADVANCED DOSING SYSTEM WITH BATTERY BACKUP. ONCE PER MONTH THE BIOENZYME LIQUID CAN BE REPLACED FOR COMPLETELY AND RELIABLE AUTONOMY.



BEFORE



AFTER

PRODUCT FEATURES

- HUGELY REDUCE SLUDGE & SOLIDS
- REDUCE E-COLI & FAECAL COLIFORMS
- MASSIVELY REDUCE ODOURS
- REDUCE COD, BOD, AMMONIA, NITRATES, NITRITES & PHOSPHATES
- REDUCE EQUIPMENT REPAIRS
- REDUCE MONTHLY RUNNING COSTS

FOR BEST RESULTS, USE WITH ...

PUMP STATION GOBBLER™, A FIRST OF ITS KIND BIO-ENZYME SLUDGE AND WASTE DIGESTER WHICH TREATS PUMP STATIONS, THEN THE SEWER LINES LEADING TO THE SEWER PLANT, AND EVENTUALLY ALSO HUGELY BENEFITTING THE SEWER PLANT ITSELF.



SEPTIC GOBBLER

POTENT ENZYME PRODUCING BACTERIAL TREATMENT FOR
SEPTIC TANKS, SEPTIC SYSTEMS, AND DRAIN LINES WHICH
DIGESTS SOLID WASTE, REDUCES ODOURS, AND KEEPS
SYSTEMS FLOWING NATURALLY

GREEN ENZYME TECHNOLOGY

BILLIONS OF YEARS AGO MOTHER NATURE HAD ALREADY SOLVED THE PROBLEM OF HOW TO KEEP THE EARTH CLEAN, NATURALLY. RECENT BREAKTHROUGHS IN SCIENCE AND TECHNOLOGY HAVE HELPED US TO UNDERSTAND HOW THIS IS MADE POSSIBLE. BY USING THE CORRECT GOOD OR BENEFICIAL BACTERIA VIRTUALLY ANY DIRT BUILD-UP, STAIN, ODOUR, SEPTIC SYSTEM, FOG'S (FATS, OILS, GREASES) OR EVEN HYDROCARBON BASED OIL STAINS CAN BE SAFELY CLEANED, BIODEGRADED AND REMOVED QUICKER AND MORE COST EFFECTIVELY THAN TRADITIONAL HARMFUL CHEMICALS.

SEPTIC GOBBLER™ BACTERIAL CULTURES ARE UNIQUELY CULTIVATED FROM SOUTH AFRICAN SOILS. THE BACTERIA, MICROBES AND ENZYMES IN SEPTIC GOBBLER™ TREATMENT METABOLIZE MUCH FASTER, REPRODUCE QUICKER AND SURVIVE FOR LONGER.

PRODUCT DESCRIPTION

DRAIN LINES AND SEPTIC SYSTEMS ARE ESPECIALLY SUSCEPTIBLE TO THE RAPID BUILD UPS OF FATS, OILS AND GREASES (FOG'S) AND THE HUGE AND EXPENSIVE PROBLEMS THEY CAUSE, WITH SYSTEMS EVEN-TUALLY COMPLETELY BLOCKING UP. SEPTIC GOBBLER™ TREATMENT IS A SPECIAL AND PROPRIETARY BLEND OF AEROBIC AND FACULTATIVE ANAEROBIC BACTERIA WHICH RAPIDLY PRODUCE A WIDE VARIETY OF ENZYMES TO RAPIDLY DEGRADE WASTE, AND QUICKLY AND EASILY SOLVE THESE PLUMBING AND SEPTIC BUILD UP CHALLENGES. THE TREATMENT CONTAINS UNIQUE ENZYME PRODUCING BACTERIA MICROORGANISMS WHICH DON'T JUST EMULSIFY THE WASTE BUT ACTUALLY FEED ON AND TOTALLY ELIMINATE IT, WITH THE RESULTANT BY-PRODUCTS BEING CARBON DIOXIDE AND WATER!

SEPTIC GOBBLER™ IS TOTALLY SAFE AND IS NATURE'S WAY OF TREATING, DIGESTING ORGANIC WASTE, ELIMINATING ODOUR AND REMOVING ORGANIC BUILD-UP FROM PIPES, TANKS, LEACH DRAINS, SEPTIC TANKS AND SEPTIC SYSTEMS.



HIGH COSTS ELIMINATED

AN INCORRECTLY FUNCTIONING SEPTIC SYSTEM CAN BECOME A VERY COSTLY AFFAIR. WITH THE INCREASED PREVALENCE OF BLEACHES, BIOCIDES AND ANTI-BACTERIAL AGENTS IN MANY OF TODAY'S CONSUMER PRODUCTS, THE NATURALLY OCCURRING BACTERIA, MICROBES AND ENZYMES ARE EASILY KILLED OFF IN SEPTIC SYSTEMS AND THE NATURAL BALANCE IS DESTROYED. WHERE TRADITIONAL ENZYME AND BACTERIAL PRODUCTS ARE OBLITERATED.

SEPTIC GOBBLER™ POWDER IS INCREDIBLY ENGINEERED TO BE NATURALLY TOLERANT OF HARSH CHEMICALS AND DETERGENTS. REGULAR DOSING WITH SEPTIC GOBBLER™ IS EXTREMELY COST EFFECTIVE AND ELIMINATES THE NEED FOR EXPENSIVE PLUMBING COMPANIES, HONEY SUCKERS AND WASTE COMPANIES, NOT TO MENTION DANGEROUS CHEMICALS AND THE HARM THEY CAUSE THE ENVIRONMENT. REGULAR PROACTIVE MAINTENANCE DOSING WITH SEPTIC GOBBLER™ POWDER COSTS A FRACTION OF TRADITIONAL REACTIVE METHODS AND IS AN ESSENTIAL MAINTENANCE ITEM.

SEWER OVERFLOWS & SPILLS

WHEN SEWER DRAIN LINES GET BLOCKED, RAW SEWERAGE SPILLS OUT INTO SUBURBS AND TOWNSHIPS AND CAUSES A MASSIVE POTENTIAL HEALTH HAZARD WHICH NEEDS TO BE IMMEDIATELY TREATED TO CONTAIN POSSIBLE CHOLERA AND TYPHOID OUTBREAKS.

SEPTIC GOBBLER™ POWDER CAN SIMPLY BE SPRINKLED OVER SEWERAGE SPILLS TO CONTAIN THE PROBLEM, WHILE IMMEDIATELY HELPING TO CONTAIN ODOURS.

BAD PATHOGENS ARE CONTROLLED THROUGH A SCIENTIFIC PROCESS KNOWN AS COMPETITIVE EXCLUSION. SEWER LINES ARE NEARLY ALWAYS CAUSED BY FAT, OIL AND GREASE BLOCKAGES (F.O.G.'S) AND SEWER GOBBLER™ IS IDEAL TO BE SHOCK DOSED INTO THE AFFECTED SEWER LINES TO BIODEGRADE THE CAUSE OF THE PROBLEM QUICKLY AND EFFECTIVELY.

ADVANTAGES

- ✓ ELIMINATES FOUL
ODOURS
- ✓ BIOREMEDIATES AND
DIGESTS WASTE
- ✓ NATURALLY RESTORES
SYSTEM HEALTH
- ✓ KEEP DRAIN AND
SEPTIC LINES FLOWING
FREELY
- ✓ TREAT SEWER SPILLS
AND OVERFLOWS
- ✓ MASSIVE COST SAVINGS
OVER PHYSICAL AND
CHEMICAL METHODS
- ✓ SIMPLE TO DOSE,
EASY TO MAINTAIN
- ✓ REDUCES PATHOGENIC
DISEASE-CAUSING
ORGANISMS



FOR BEST RESULTS

USE WITH THE FULL RANGE OF BIO-ENZYMATIC PRODUCTS WHICH BENEFIT EACH OTHER AS YOU USE THEM. SAVE MONEY AND IMPROVE PERFORMANCE WHILE REAPING MULTIPLE BENEFITS COMPARED TO TRADITIONAL CHEMICALS. AVOID USING DISINFECTANTS AND HARSH CHEMICALS, THESE KILL OUR BENEFICIAL MICRO-ORGANISMS AND HARM THE ENVIRONMENT.



SLUDGE GOBBLER

AEROBIC PRE-TREATMENT FOR USE IN FAT TRAPS, SEWAGE PUMP STATIONS, SEWER LINES AND WASTE WATER PLANTS WHICH RAPIDLY DISSOLVES SLUDGE FROM FATS, OILS AND GREASES. ELIMINATES ODDOURS WHILE CREATING AN OXYGEN RICH ENVIRONMENT FOR CONTROLLED MICROBIAL DOSING.



PRODUCT DESCRIPTION

SLUDGE GOBBLER™ IS AN ENVIRONMENTALLY FRIENDLY MULTI-FUNCTIONAL ONCE OFF SHOCK DOSE OR OPTIONAL PRE-TREATMENT FOR MICROBIAL DOSING, DESIGNED TO OXYGENATE WASTEWATER AND REMOVE ODOURS WHILE SIMULTANEOUSLY PREPARING AN INCREDIBLY OXYGEN RICH ENVIRONMENT WHICH INITIATES THE AEROBIC BIOLOGICAL BREAKDOWN OF ORGANIC COMPOUNDS IN THE ENVIRONMENT.

PH BUFFER SYSTEMS

SLUDGE GOBBLER™ IS AN EXCELLENT WAY TO QUICKLY TREAT FOUL ODOURS EMANATING FROM WASTE WATER AND SEPTIC ENVIRONMENTS. IT QUICKLY ELIMINATES ANAEROBES WHICH ARE RESPONSIBLE FOR FOUL AND NOXIOUS MALODOURS TYPICAL OF THESE ENVIRONMENTS.



OXYGEN RICH ENVIRONMENT

SLUDGE GOBBLER™ WITHIN MERE MINUTES AFTER APPLICATION VERY RAPIDLY INCREASES DISSOLVED OXYGEN LEVELS PRESENT IN THE WASTE WATER ENVIRONMENT, **UP TO AN INCREDIBLE 80%!** THIS IS A MASSIVE AMOUNT MORE THAN CAN BE NORMALLY ACHIEVED WITH MANUAL AERATION PROCESSES.

ODOUR CONTROL

SLUDGE GOBBLER™ IS AN EXCELLENT WAY TO QUICKLY TREAT FOUL ODOURS EMANATING FROM WASTE WATER AND SEPTIC ENVIRONMENTS. IT QUICKLY ELIMINATES ANAEROBES WHICH ARE RESPONSIBLE FOR FOUL AND NOXIOUS MALODOURS TYPICAL OF THESE ENVIRONMENTS.

EXTREMELY RAPID FUNCTION

MOST WASTE WATER TREATMENT PREPARATIONS ARE TABLET BASED AND SLOWLY DISSOLVE OVER MANY WEEKS AT A TIME. SLUDGE GOBBLER™ IS UNIQUELY POWDER BASED AND THEREFORE REACTS INSTANTLY.

APPLICATION

- MUNICIPAL & INDUSTRIAL WASTE WATER
- PUMP STATIONS & WWTW'S
- GREASE TRAPS
- SEPTIC TANKS & SEWER LINES



OPTIMAL GROWTH CONDITIONS

SLUDGE GOBBLER™ IS INTENDED AS A SPECIAL TEMPORARY OR ONCE-OFF SHOCK DOSE SOLUTION FOR NEGLECTED WASTE WATER ENVIRONMENTS.

IT SERVES AS THE IDEAL PLATFORM TO PREPARE FOR THE OPTIMAL LONG-TERM GROWTH ENVIRONMENT FOR OUR RANGE OF BIO-ENZYME PRODUCTS INCLUDING SEWER GOBBLER™, SEPTIC GOBBLER™ AND PUMP STATION GOBBLER™ WHICH SUPERBLY CONTROL TYPICAL WASTE ENVIRONMENTS FOR THE LONG TERM.

PRODUCT ADVANTAGES

- ✓ RAPIDLY DISSOLVE SLUDGE
- ✓ QUICKLY CONTROL F.O.G.'S
- ✓ SPEEDILY RECTIFY C.O.D.
- ✓ INCREASE SYSTEM FUNCTIONING
- ✓ IMPROVE WATER QUALITY
- ✓ ECO-FRIENDLY
- ✓ NON-CARCINOGENIC
- ✓ NON-PATHOGENIC

AUTOMATED DOSING SYSTEM

ECOZYME ADVANCED DOSING SYSTEM FOR PERFECT CONTROL

PERFECT CONTROL AND DOSING

ECOZYME ADVANCED DOSING SYSTEM IS OUR TIMED SYSTEM FOR PRECISE ENZYME DOSING THAT REDUCES MAINTENANCE TIME TO THE MINIMUM AND ENSURES CONSISTENTLY PERFECT CONTROL AND RESULTS.

THE PERFECT SOLUTION FOR USE WITH:

- AQUA GOBBLER™
- SEWER GOBBLER™
- PUMP STATION GOBBLER™
- SEPTIC GOBBLER™

IDEAL FOR REMOTE DOSING OR TIMED PERIODIC DOSING INTO RESERVOIRS OR TANKS ETC. WHICH HOUSE CONTAMINATED EFFLUENT.

- RELIABLE
- DURABLE
- ACCURATE
- EASY TO MAINTAIN





PERFECT ECOLOGY

NATURAL SUSTAINABILITY

PLEASE VISIT OUR WEBSITE AT:

WWW.PERFECTECOLOGY.ORG

IN PARTNERSHIP WITH

ALL PRODUCTS APPROVED BY

EcoZyme
ENZYMES CC

eco CHOICE
APPROVED