

Seeing is Believing!



Lagoon - Before

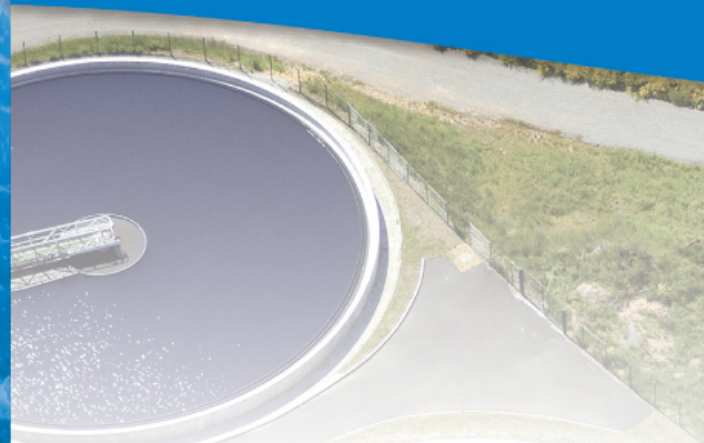


Lagoon - After

See more case studies at:

probiotic.com/case-studies

**Become a
Probiotic Solutions®
Distributor**



Probiotic Solutions® invites you to experience the benefits of our broad-spectrum line of biostimulant & nutrient products, powered by MICRO CARBON TECHNOLOGY®.

Before | After



**MICRO CARBON
TECHNOLOGY®**



**PROVEN
Wastewater Treatment
EFFICIENCY
through
NUTRIENT DELIVERY!**

MCT Is the Catalyst For:

- ▶ Microorganism Diversity Stimulation
- ▶ Efficient Treatment Facilities
- ▶ Soil Bioremediation
- ▶ Efficient Lagoons & Ponds
- ▶ Economical Wastewater Treatment



Bio Huma Netics, Inc.
1331 W. Houston Ave., Gilbert, AZ USA 85233
1.480.961.1220

www.Probiotic.com

©2016. Trademarks and registered trademarks are property of Bio Huma Netics, Inc.
All Rights Reserved.
PS-160111-01



**Probiotic
SOLUTIONS®**
Enhancing Nature's Science™

Experience the World's Most Efficient Product Delivery Technology Available!

Fast Acting

Innovative Solution

Proven, Effective Results

WHAT IS MICRO CARBON TECHNOLOGY®

Micro Carbon Technology® (MCT) is a proprietary blend of extremely small organic carbon- and oxygen-rich molecules that act as a source of carbon that **greatly enhance existing microbial activity in wastewater**. It is formulated from our exclusive company-owned, processed, and refined leonardite that is composed of organic- and mineral-rich compounds.

ORIGINS OF OUR TECHNOLOGY

The beginning of MCT can be traced back to 1973, when our scientists discovered a unique organic material that, when applied to farm fields, improved both the soil's fertility and the plants' nutrient uptake. We now know this material to be mainly composed of a very high-quality leonardite. Our leonardite is a **soft, humic material, rich in carbon**, that was never compressed or heated to become coal.

THE BASE OF ALL OUR PRODUCTS

Using MICRO CARBON TECHNOLOGY® as a base, we have developed many highly efficient products for maximum microbial stimulation in wastewater to **reduce sludge; cut down on odor; lower biological oxygen demand (BOD), chemical oxygen demand (COD), and fat, oil, grease (FOG) levels; improve nitrogen removal; and lower electrical costs**. Wastewater, in its untreated form, usually does not meet all of the conditions for optimal microbial activity that leads to the breakdown of waste solids. When microbial activity is not optimized, sludge accumulates, odor gets out of control, and COD/BOD/FOG levels fall out of compliance with government regulations.

Our exclusive and innovative biotechnology enables us to create nutritionally rich products that are more environmentally friendly and easier to handle.

TREATMENT PLANT EFFICIENCY

- Increase plant capacity
- More solids destruction
- Lower BOD/COD
- Better settleability/SVI
- Improved decant
- Less hauling costs
- Faster upset recovery

DIVERSE INDUSTRIES

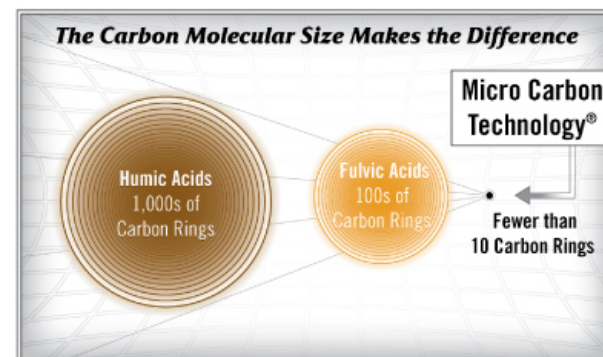
- Food processing
- Municipal wastewater
- Pulp & paper
- Chemical refineries
- Animal waste
- Soil remediation

CLEANER LAGOONS & PONDS

- Reduce sludge build-up
- Eliminates fats, oil, & grease (FOG)
- Control offensive odors
- Lower BOD/COD
- Meet NPDES permit

ECONOMICAL WASTEWATER TREATMENT

- Reduce operating costs
- Less than 1/10th the cost of mechanical dredging
- Lower than 1/100th the cost of new facilities
- Reduce tipping fees & fines
- Reduce energy & costs



KEY BENEFITS OF MICRO CARBON TECHNOLOGY®

NON-SELECTIVE: works with both positive and negative elemental ions.

VERSATILE DELIVERY: hand application, spray, or via simple pumping system.

LOW ENERGY: requires less effort from the microorganisms to uptake nutrients, lowering biological oxygen demand (BOD).

UNIQUE PROPRIETARY PROCESS

Over the years since the discovery of the leonardite deposit, our scientists are continuously improving the time-tested process that refines our leonardite into small carbon- and oxygen-rich organic molecules. These molecules act as an ultra-efficient vehicle to move essential elements into water biological systems. Using MCT, operators **can achieve more with less!** Our products have a **positive environmental impact** by promoting microbial development and species diversity. **These benefits dramatically improve wastewater treatment efficiency and effectiveness!**

For Information on Probiotic Solutions® products go to:

www.Probiotic.com