

WASTEWATER *Solutions*



PIT RAIDER™

Biological Waste Reduction Treatment



- Controls odor and corrosion problems in sewer lines with a blend of anaerobic and aerobic bacteria
- Breaks down fats, oils and greases to reduce clogging and maintenance costs
- Effective at breaking down long-chain fatty acids



CARE FOR WORK ENVIRONMENTS®

PIT RAIDER™

Biological Waste Reduction Treatment

WHAT IS PIT RAIDER?

Pit Raider is a consortium of purple sulfur, non-sulfur heterotrophic, phototrophic and autotrophic bacteria cultures that can be used in diverse environments including aerobic, facultative, anaerobic and anoxic zones of the wastewater system.

Pit Raider can metabolize sulfur and sulfur compounds such as hydrogen sulfide (H₂S), thiosulfate compounds (S₂O₃²⁻) to inorganic sulfate salts and can be used as an effective way to control hydrogen sulfide wastewater systems. It can also be used to digest difficult to remove organic solids, fats, oils, and greases in the wastewater system often improving ammonia removal, reducing biological oxygen demand (BOD) and reducing sludge in wastewater lagoon systems.

PIT RAIDER TO CONTROL H₂S

Pit Raider bacteria eliminates the organics that consume oxygen and drive down the oxidation-reduction potential allowing an ideal condition for sulfate reducing bacteria to reduce sulfates to hydrogen sulfide. Pit Raider can utilize nitrate in the anoxic respiration process in forced mains converting nitrate to nitrogen gas speeding up the biological process by a factor of 17 times based on ATP.

PIT RAIDER TO CONTROL FOG BUILDUP

The bacteria attach to surfaces, grow on the sewage and begin to attach to oil and grease. Once attached, they begin to digest the FOG. Over time, Pit Raider bacteria colonize the entire collection system providing effective FOG reduction. Pit Raider functions in low-oxygen environments and will out perform many commonly used bacterial blends used for FOG control.

PIT RAIDER FOR POND SLUDGE REDUCTION

Pit Raider is formulated specifically for the removal of organic bottom or surface solids that are slow to degrade. The natural activity of Pit Raider significantly speeds the microbial activity, reducing sludge build-up found at bottom of ponds/lagoons. Pit Raider can improve sludge reduction up to 80%, eliminating high costs of dredging. Reducing sludge in wastewater lagoons increases the aerobic zone and improves system performance.

DIRECTIONS FOR USE:

For applications, consult with your State Account Manager.

TECHNICAL DATA:

APPEARANCE: clear to light brown

LIQUID ODOR: pungent

TYPICAL pH: 7.0

BACTERIAL COUNT: minimum aerobic and anaerobic bacteria – 500 million CFU/mL (1.9 trillion CFU/gallon)

WASTE WATER TEMPERATURE WHEN APPLIED: 7°C – 50°C (45°F – 120°F)

pH RANGE: 5 – 9.5

OTHER STATE WASTEWATER TREATMENT PRODUCTS



Nutri Pro™
Hydrogen Sulfide
Treatment



Block Worx™ BCT
Time Release Bacteria
Block



Bio-Mate™
Biological Catalyst



Blanket 510
Wintergreen™
Floating Air Freshener

PACKAGING

123826	55 GL Drum
125512	15 GL Drum
123827	5 GL Pail
120227	1 GL Bottle/CS4



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