

BIOFLOC™

FLOCCULANT-BIOLOGICAL DIGESTER

HYDRAULIC FRACTURING PIT WATER



BIOFLOC™ SYSTEM is a patented combination of powdered flocculant and a highly concentrated formula of various bacteria engineered for use in hydraulic fracturing operations.

BIOFLOC™ flocculating component is designed to break down emulsified oils, encapsulate heavy metals, or entrained oil. Forming flocculated sludge that can be removed or digested. Once **BIOFLOC™** is applied, all organic and non organic particulate in the water will settle to the bottom. This process rapidly clears the water and allows the biological components to begin the digesting process. The biologicals digest and dissolves organic and non-organic sludge that forms after flocculation or that has settled over time. These spores and vegetative bacteria have been specifically selected for their ability to rapidly digest reserve pit sediment. The formula includes multiple strains of Bacillus bacteria combined with Pseudomonas species that provide numerous enzyme producing cultures with enhanced ability to degrade surfactants, hydrocarbons, and other chemicals in addition to organic matter, sewage sludge and waste components.

The digested process produces beneficials that improves the water quality and provides nutrients for vegetation growth. In fracking operations after this process, the now clean and oxygen rich pit water can be used for drilling operations or irrigation. This process also will reduce sodium levels. Controls odors, and ammonia and hydrogen sulfate gases.

BIOFLOC™ provides a cost effective means of cleaning and managing reserve pit water, can eliminate the need for costly transporting of contaminated pit water to disposal sites. May reduce the demand for fresh water and produces a positive impact on the environment and the drill site.

BIOFLOC™ is available in 50 pound bags or 25-50 pound pails.

Innovative Turf Solutions

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