



## **GWT Unique Advanced ZeoTurb<sup>(TM)</sup> Product Application Data Sheet**

GWT Series advanced ZeoTurb media is a unique advanced zeolite water treatment medium. This product is an environmentally safe treatment solution for flocculation of turbidity and silt absorption in primary clarification processes for potable water, process water and domestic waste water applications.

This treatment product is used in both municipal and commercial/industrial water treatment for silt, sediment, algae, bacteria, ammonia, hydrocarbon, TOCs, and heavy metals reduction and removal.

ZeoTurb replaces aluminum sulfate (alum) and polymer chemistry products, providing a solution that does not introduce additional chemicals, salts or metals in the water system. This product is an environmentally safe product that can be land applied or disposed of in a typical land fill passing all TCLP tests.

### **PHYSICAL PROPERTIES**

- Density (lb/ft<sup>3</sup>): 55
- Color: Grey-Green
- Appearance: Fine Powder



### **CONDITIONS OF OPERATION**

#### Treatment Process:

- Product is fed via slurry or auger with typical product introduction of 3 lb (1.36 kg) per 1000 gallons (3800 liters) of water.
- Water with high turbidity can require higher dosage introduction into the clarification process. In these applications, the optimal amount of product can be adjusted via field operation at the specific facility.

# Applications:

## Water Treatment:

- Effective Removal/Reduction of Turbidity issues without chemicals
- Removal/Reduction of Specific Heavy Metals, TOC, chloramines
- Ammonia removal

## Waste Water Treatment/Pollution Control:

- Lowers Ammonia content
- Provide higher quality effluent by reducing nutrients in the water stream
- Effective Turbidity Removal/Reduction & BOD reduction
- Reduces odors and gases improving air quality in waste water treatment plants

## Commercial/Industrial Process Water:

- Effective Removal/Reduction of Turbidity issues
- Removal/Reduction of Specific Heavy Metals, TOC, chloramines, ammonia
- Effective to flocculate certain hydrocarbons and certain radioactive materials

## BENEFITS & ADVANTAGES

- *Higher solid/liquid separation than alum or polymer products providing better flocculation of particulate at an overall lower operational cost.*
- *Easy to use powder form that is environmentally friendly*
- *Enables faster settling of particulate that is easily dewatered reducing disposal maintenance costs.*
- *Highly effective for turbidity, heavy metals, chloramines, ammonium, certain hydrocarbons and certain radioactive materials.*
- *Provides a higher quality sludge that can provide a higher resale value or be readily disposed of in a typical landfill or applied on land without any conditions.*
- *Low Density media reduces shipping and handling costs*