

# Floc

**Flocculation** using our Floc Flocculating Agent results in:

- Reduced Quantity of Chemicals
- Increased Settling Rates
- Increased Hydraulic Capacity
- Increased Flocculent (Floc) Size
- Improved Flocculent (Floc) Shear and Mixing
- Heavy Metals Removal and Recovery
- Sludge Leachability Tests with reduced Environmental Liability
- Enhanced BOD/TSS Removal
- Reduced Impact on TDS/EC
- Meets US EPA TCLP (Toxic Characteristic Leaching Procedure) testing
- Works Over Broader pH Ranges (4 to 12)
- Reduced Costs

Flocculation or **flocculation**, is the process of adding a flocculant, coagulant or other catalyst to dirty water or wastewater. The flocculant then binds with the contaminants to form flocculent or floc. This process is a critical part of virtually all discharge sites or wastewater treatment. Separating solids from liquid is the primary basis of the treatment.

Flocculation is a clumping together of substances or **encapsulation of substances** that form **flocculent**.

Innovative Turf Solutions' flocculants are based on natural products to bind to contaminants in your discharge site or wastewater. This causes the contaminants to not only floc up but also become encapsulated in the flocculant.

Floc is designed to break emulsified oils as well as encapsulate the heavy metals or entrained oil in a strong floc.

The Floc products are formulated from chemicals that are either NSF 60 approved for drinking water application, FDA approved for direct human contact, or meeting the GRAS status as defined by the FDA.

Additional benefits to you are that the Floc products operate over a wide pH range, generate a high shear strength floc, require no additional chemistry to dewater, **simplify the operations by using just 1 product**, and **reduce operating costs**.

**Floc products coagulate, break emulsified oils in water, change the pH, encapsulate the metals, and flocculate to separate the solids from the discharge site or waste stream resulting in the ultimate flocculation.**

**Directions For Use**

Floc is designed for placement by sprinkling the Floc granular product as needed (before or after rain events) on wattles, rock check dams, jute/coconut coirs, ditches, ponds and streams.

**Note: Actual GPM or dosage will vary based on site criteria and soil/water testing.**