









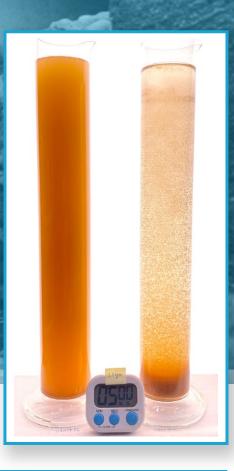






Floc Generator

enhances BMP performance by up to 90%





stormwater pollutants and containments



Chemical-Free - utilizes electricity instead of chemical additives for pollutant removal



Compact & Scalable - compact, lightweight, and scalable for higher flow rates



**Versatile** – adapts to various installation parameters, flow rates, and applications



Portable or Permanent – designed for both temporary and long-term installations



Safe – designed to be safe for humans, aquatic organisms, and the environment



Energy-Efficient – operates on low power for cost-effective performance



Automated Controls - built-in controls minimize the need for manual operation



Low Maintenance – durable, long-lasting electrode plates reduce upkeep



**Eco-Friendly** – constructed from recyclable materials and compatible with solar power

# **¬ Applications**

Engineered to integrate seamlessly with existing stormwater management systems, enhancing their efficiency and effectiveness.



## **Construction Stormwater**

- Sediment basin surface skimmers
- Dewatering systems



#### **Urban Stormwater**

- Catch basin inserts
- Detention ponds
- Bioswales & bioretention
- Underground detention
- Pond fountains
- Floating islands
- Hydrodynamic separators
- Gutter downspouts



#### **Agricultural Stormwater**

- Edge-of-field practices
- Tile drainage & farm ponds

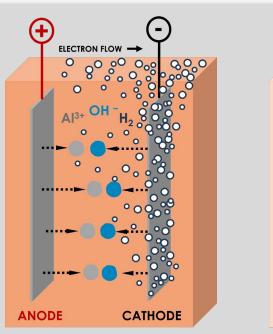


### Mining

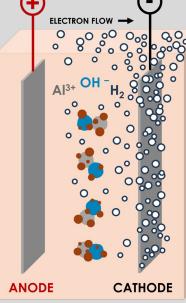
- Dewatering treatment
- Acid mine drainage treatment

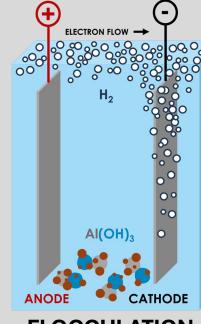
# What is Electrical Flocculation?

Electrical flocculation is a water treatment process that leverages electric current to destabilize and aggregate suspended contaminants. As current passes through metal electrodes, electrolysis induces the dissolution of metal ions into the solution. These ions undergo hydrolysis, forming coagulant species that facilitate the adsorption and entrapment of pollutants such as suspended solids, oils, and heavy metals. The resulting flocs settle gravitationally, allowing for efficient separation and removal.









**COAGULATION** 

















