



# Biologic Lagoon Dredge



## Where to Use

Wastewater Ponds & Lagoons – Aerobic, Anaerobic, Evaporative

## Features

- Easy to Use
- Microbial & Enzymatic
- Non-Corrosive, Non-Toxic & Non-Carcinogenic

## Benefits

- Naturally Reduces Sludge Without Taking Lagoon Offline
- Reduces Odors & Hydrogen Sulfide Without Chemicals
- Improves Capacity & Prevents Short Circuiting

**Beyond Environmental** offers a full line of biologic solutions that clean and transform contaminants into water and harmless CO<sub>2</sub>. All of our products utilize the highest quality, scientifically selected enzyme producing microorganisms and environmentally safe surfactants. We offer products and services for pet care, residential and commercial waste water treatment, industrial degreasing as well as soil remediation. At Beyond environmental our goal is to be your partner in protecting the environment for generations to come.

Lagoons are a very cost-effective solution for wastewater treatment if properly maintained. Sludge build-up and FOG accumulation are a common problem all lagoon operators are familiar with. These factors lower retention times, reduce capacity, and can lead to short circuiting and noncompliant discharge. Sludge and FOG accumulation can also lead to the creation of anaerobic zones that generate foul VFA odors and hazardous H<sub>2</sub>S gas. Dredging or skimming to combat these issues is both costly and time-consuming.

Our **Eco Strong Biologic Lagoon Dredge Program** is designed to remove accumulated sludge and solids in situ, thereby increasing the performance of the lagoon without the need to dredge or skim. Enhanced sludge digestion also inhibits H<sub>2</sub>S gas production by removing anaerobic zones within the sludge itself. Our **Eco Strong Biologic Lagoon Dredge Program** has produced up to a 70% reduction in total sludge volume. These results are achieved at a fraction of the cost when compared to traditional dredging.

**Eco Strong Biologic Lagoon Dredge** is designed for lagoons less than 20,000,000 gallons. **Eco Strong Biologic Lagoon Dredge XL** is designed for lagoons greater than 20,000,000 gallons.

Contact us to find out which **Eco Strong Biologic Lagoon Dredge** solution will work for you.



# Biologic Lagoon Dredge

Challenge	Solution
<b>Sludge Handling &amp; Disposal</b> We need to dredge our municipal lagoon as we have lost system capacity, but hauling sludge to a landfill for disposal is a significant cost for us.	Improving digestion and settling through bioaugmentation reduces the amount of sludge. By reducing the amount of sludge, facilities can lower the amount of money spent on sludge handling and disposal.
<b>Odor Control</b> The wastewater lagoon at our pig farm smells so bad that we are worried about neighbor relations, lawsuits and potential fines. The odor control equipment and chemistry that we are using is costly and requires specialized equipment and labor to manage.	<b>Eco Strong Biological Lagoon Dredge</b> prevents the formation of biological acids and other odorous compounds, reducing the potential for complaints and lawsuits. All without costly chemicals or equipment.
<b>Hydrogen Sulfide (H<sub>2</sub>S)</b> Hydrogen sulphide (H <sub>2</sub> S) emitting from our lagoon is causing complaints, corroding mechanical and electrical components, and posing serious safety risks for our operators and others around the facility. Everything we have tried is non-preventative, expensive, and capital intensive.	<b>Eco Strong Biological Lagoon Dredge</b> inhibits the growth of bacteria responsible for the formation of H <sub>2</sub> S reducing and/or eliminating complaints, corrosion, and safety risks. This benefit prevents the need for conventional treatment.

## Directions

**Step 1:** Initial phone call between Beyond Environmental and you (or your technical representative).

**Step 2:** You (or your technical representative) complete a detailed survey, including pictures and submit to Beyond Environmental.

**Step 3:** Within 72 hours (three business days) of receiving the survey, we will propose a complete treatment plan or indicate if your lagoon is not a candidate for the program. The plan will explain exactly how to prepare the product, where and when to install, the quantity and frequency, and the cost.

Product Code	Product Name	Quantity	Case Count	Cases Per Pallet
BLD22	Biologic Lagoon Dredge	25 lbs.	1	36
BLD22XL	Biologic Lagoon Dredge XL	25 lbs.	1	36

\*These products have a 2-year shelf life and do not contain any ingredient listed on California Proposition 65 and are not regulated as hazardous.