

# DRYLET



BEFORE



AFTER (8 weeks later)

Tailored solutions for protein processors' wastewater treatment needs are made available each day thanks to Drylet's team and its innovative biocatalyst.



GLOBAL WATER AWARDS  
2018 FINALIST

Breakthrough Water Technology Company of the Year



## YOUR ONE-STOP OPERATING SOLUTIONS PARTNER

Drylet is the award-winning developer and manufacturer of an advanced biocatalysis particle that accelerates biological processes in any wastewater system, causing operations to improve significantly.

Its dedicated team of engineers guides each customer through a **risk-free 3-month trial**. Data collection and analysis, scenario-modeling software, on-site visits, and conference calls ensure specific challenges are addressed through a rigorous protocol for optimized outcomes.

## DRYLET'S TECHNOLOGY

- Engineered, porous, non-toxic particles loaded with a carefully selected consortium of beneficial microbes for each application;
- 100x microbial density of competing liquid products;
- Easy dry application, no mixing required;
- Significant net costs savings are achieved within weeks;
- **No capital expense required.**

## BENEFITS THROUGHOUT VARIOUS SYSTEMS INCLUDE:

### ACTIVATED SLUDGE



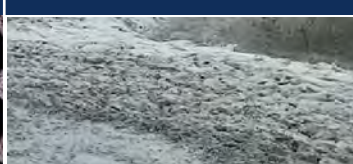
Achieve **20%-70+%** biosolids reduction by adding product daily to your aeration basin (2 lbs/MGD). Also: Improved settling, better effluent, decreased use of chemicals.

### BIODIGESTERS



Enjoy **30+%** boost in biogas generation and enhanced biosolids reduction by 10% or more. A daily dose of 1lb to 2lbs is typically recommended per MGD of wastewater flow.

### OPEN LAGOON



Eliminate **crust and solids build-up** with a shock treatment protocol whose impact will be maintained over months.

### COVERED LAGOON

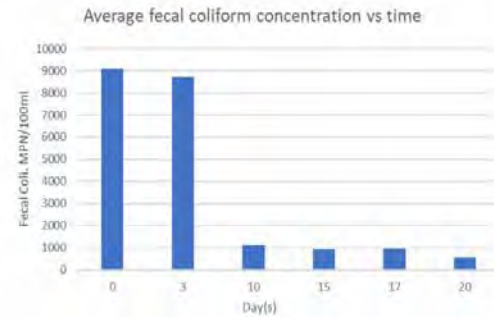
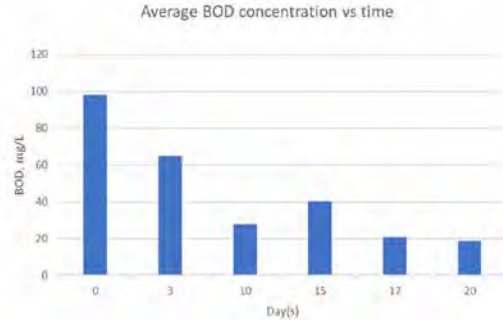


Witness **biosolids reduction** and **biogas generation** increase in sync within weeks, typically by **40% and more**.

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# Case study #1: BOD, fecal coliform concentration slashed 81% and 94% in dairy processing wastewater lagoon

Just 20 days of shock-dosing this Canadian cheese manufacturer's lagoon with BioReact at 50 pounds per million gallons of capacity led to dramatic improvements. The company was able at last to discharge the effluent without risking any penalty. It has been using an ongoing treatment protocol of 1 lb. of Aqua Assist added to the influent daily ever since.



# Case study #2: Rendering-plant wastewater lagoon

**RESULTS SUMMARY** 82% total avoided solids in 118 days



This lagoon has been utilized as a solids collection point to prevent overflow into the final finishing lagoon. The estimated total solids avoided for the 118-day Drylet period is 176,354 pounds. This amounts to an 82% overall reduction based on the accumulated solids in Lagoon 4 while accounting for incremental solids load to Lagoon 4 from Lagoon 3.

# Case study #3: Industrial anaerobic digestion facility

**RESULTS SUMMARY** 3x biogasflaring time with 49.2% Total Solids reduction  
1.27 million pounds Total Solids avoided in the whole lagoon system

## THE SITE

This US food-rendering facility treats all the wastewater its operations generate. It has seen loading increase to its wastewater system due to increased production. The treatment facility is comprised of two anaerobic lagoons (L1 and L2 on the photo), followed by three anoxic-aerobic lagoons which feed into the retention pond. Water is then recycled back to the operations.

## THE PROCESS

Drylet started applying product to all lagoons in November 2018, treating L1 and L2 with BioReact AD specifically. The plant flares all the biogas it generates. Before November 2018, the facility was operating the flare for about 3-4 hours each day. Since the facility started using BioReact AD, daily flare operations now average 10-12 hours. Analysis of samples collected between 11/01/2018 and 01/23/19 show a 49.2% Total Solids reduction in L2 over the period. Meanwhile, the treatment protocol of the full wastewater lagoon system resulted in 1.27 million pounds of Total Solids avoided in 83 days.



**Treatment lagoon system layout**

**Note:** Lagoon designated as L6 is a stormwater sink and not part of the wastewater treatment process.