



*"We have been very encouraged so far by the results we have observed at our various types of wastewater treatment plants (WWTP) in New Mexico and in California, in terms of reduced odor and biosolids as well as improved operations and realized savings. Improved processes such as these help us deliver on our promise to provide quality, service, and value to our customers and communities."*

Gary Valladao, Manager of Wastewater Systems, California Water Service Group

Humans generate waste faster than nature can remediate. Drylet is changing that equation.

#### **WHAT IS DRYLET'S AQUA ASSIST?**

Aqua Assist is a dry-to-the-touch engineered substrate specifically formulated with patented Micro Bioreactor (MBR) particles seeded with mixed microbial cultures beneficial for wastewater treatment plant (WWTP) operations. Every pound of product provides about 700,000 square feet of area loaded with billions of beneficial microbes for wastewater treatment. Drylet's MBR particles provide bacteria with an ideal environment to reproduce at significantly accelerated rates, consuming and converting organic waste directly to CO<sub>2</sub> and water.

#### **HOW TO USE DRYLET'S AQUA ASSIST?**

It is added daily as part of your routine wastewater facility maintenance program. A daily dose of 2 pounds per 1 million gallons per day reduces sludge volume up to 50%.

#### **WHY DRYLET'S AQUA ASSIST?**

Aqua Assist is field-proven to lower the cost per dry ton produced at a facility. Aqua Assist reduces sludge hauling fees, lowers the use of polymer for dewatering and other chemicals associated with disinfection while increasing plant carrying capacity and compliance at plants ranging in size from a few thousand gallons per day up to five million gallons per day. The biological process, however, is inherently scalable to plants of any size. Aqua Assist requires no commitment to new or expensive equipment. Product can be easily applied at any facility into the aeration basin or digester.

Contact your Drylet Sales Representative at  
(346) 980-9568 and [sales@drylet.com](mailto:sales@drylet.com)

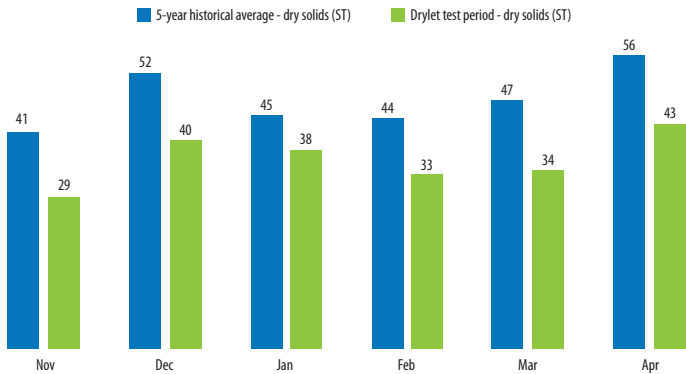


*“Drylet’s Aqua Assist worked wonders on one of our historically ‘troubled’ sewer plants. We decreased sludge hauling over 33%; eliminated bulking in our clarifier and decreased our Total Suspended Solids by more than 50%.”*

Jerri H., Field Utility Supervisor

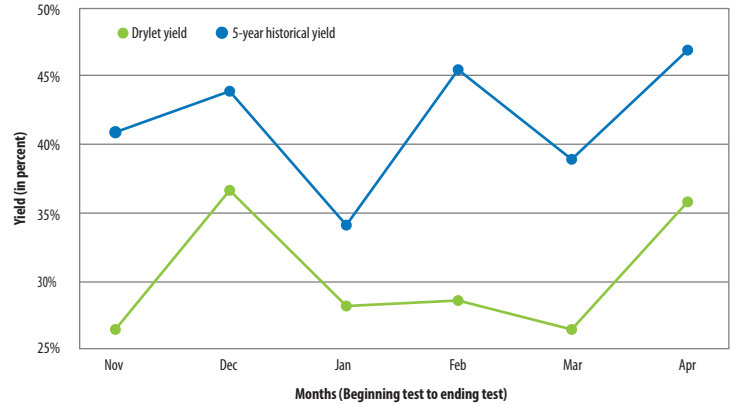
## Case studies of a 4-MGD and a 5-MGD WWTP show sludge reductions between 24% and 41%, and significant savings in operating costs

**Dry solids comparison for 5-year historical average vs. Drylet test period (Short Tons)**



**Figure 1.** 5-year historical monthly average of dry solids produced at 4-MGD WWTP compared against the total dry solids produced each month during Drylet testing period  
Source: Brown and Gay Engineers

**Dry solids reduction comparison using yield**



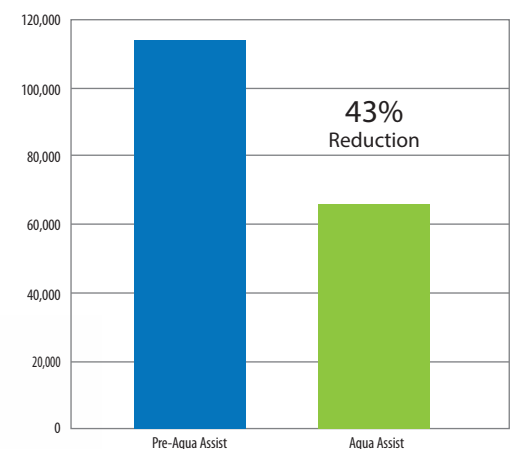
**Figure 2.** 5-year historical yield at 4-MGD WWTP compared against Drylet testing period yield for each month (lower yield indicates less dry solids produced each month)  
Source: Brown and Gay Engineers

### Dry solids reduction benefits at 4-MGD Atascocita MUD #109:

- 29% inflation adjusted reduction in hauling costs
- 43% savings in polymer usage
- extended equipment life cycle with fewer repairs and fewer maintenance hours
- x3 carrying capacity increase without impacting effluent quality and compliance requirements

Source: Brown and Gay Engineers

**Average wasting rate (gal/day)**



**Figure 3.** 5-MGD WWTP, average daily waste activated sludge rate (gallons/day)

*“Development of wastewater treatment still has, as one of its objectives, the minimization of solids production.”*

Global Atlas of Excreta, Wastewater Sludge, and Biosolids Management (UN-HABITAT, 2008)

