

Silver Bullet AOP Solution Eliminates Biofilm in Water Lines at Kentucky Broiler Farm Using a Pond for Source Water



The Problem:

JM Farms, located in Kentucky, had been experiencing significant buildup of biofilm and slime in the water system. The biofilm and slime buildup led to water with a poor taste and odor, decreased water and feed consumption, longer flock cycles and fewer-than-expected head sold, which resulted lower revenue for the farm. After consulting with Silver Bullet Water Treatment's engineers and technical experts, JM Farms agreed to commission a custom Advanced Oxidation Process (AOP) solution. Water quality is a primary driver of livestock production efficiency and the Silver Bullet Water Treatment System is the premier solution for producers to maximize the delivery of the most important nutrient to their animals: clean drinking water.

JM Farms was impressed by the engineering design and of the Silver Bullet AOP solution is proven to eliminate biofilm proliferation, prevents fouling and results in a cleaner water system. The elimination of biofouling in the water system also improves the taste to the water, maximizing consumption by the birds. A further benefit of using Silver Bullet's AOP solution is the elimination of chemical water treatment by the farm, giving JM Farms a market advantage with processors and consumers that are demanding a more naturally produced meat product.

The Silver Bullet Solution:

To improve the efficiency of the water system as well as the health and welfare of the JM Farm flock, Silver Bullet installed and commissioned a SB334 solution via a manifold cut directly into the waterline. This installation method allowed for a side by side comparison of the impact of Silver Bullet's AOP solution as one line had only the untreated pond water running through it and the other side only had Silver Bullet treated water running through (see image below).



For the commissioning process at JM Farms, Silver Bullet's technical support team members installed all new piping for both the pond water line and the line that where the Silver Bullet gas was treating the pond water. This allowed the grower to have a fresh baseline to observe the impact of Silver Bullet has eliminating biofilm and slime in the lines.

The Silver Bullet Solution: Biofilm and Biofouling Eliminated from Water Lines

After only a few months in service, Silver Bullet technical service providers returned to JM Farm to cut open the newly installed lines to show JM Farm managers the immediate success that Silver Bullet had in keeping the piping clean and providing a healthier, odor-free and better tasting water to the birds.

LEARN MORE:

For more information or to get started with how we can help to improve your water, email Silver Bullet Water Treatment at info@silverbulletcorp.com or call us at (303) 552-2383.

Find us online at: www.silverbulletcorp.com.

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JM Farm Water Line With Only Pond Water Flowing Through It



JM Farm Water Line With Only Silver Bullet Treated Water Flowing Through It



Silver Bullet is the Premier Water Treatment Choice of Today's Livestock Producer

The results from the testing on JM Farm perfectly show how Silver Bullet's benefits over traditional chemical-added water treatments will effectively eliminate biofilm and other microbial issues in your water lines. Silver Bullet provided JM Farm water lines free of biofilm, decreased bacteria levels, and better tasting water for the birds. Silver Bullet's AOP solution also helped the farm save money on chemical purchases, labor costs and water line maintenance.

Silver Bullet Water Treatment's AOP solution is the premier water disinfection process to kill highly pathogenic bacteria, mitigate algae blooms, and decrease biofouling.

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