



Dannon Yogurt



SUMMARY

After installing a biofilter to remove odors from its wastewater treatment plant at an Ohio yogurt plant, Dannon Yogurt continued to face odor complaints from neighbors.

PureAir Filtration, which specializes in custom design solutions for a wide range of vapor phase air purification and contaminant control applications, stepped in to provide a custom air scrubber solution after the biofilter, effectively eliminating all odors—and complaints.

FAST FACTS

Client	Dannon Yogurt
Industry	Commercial
Challenge	Odor issue after biofilter installed
Solution	Customized air scrubber
Results	Complete odor removal and no further neighbor complaints

+1 678.935.1431

Toll Free: 866.543.7479

www.PureAirFiltration.com

6050 Peachtree Pkwy Suite 240-187. Atlanta, GA 30092

“Our [new PureAir] unit worked so well that it was like a spring breeze when I placed my face in the outlet of our unit. Absolutely no odors. –Kevin Bock”

CHALLENGE

Dannon Yogurt has a plant dedicated to making Greek yogurt in Minster, OH. Dannon features its own wastewater plant on site to manage the waste by-product of the cream used to make the yogurt.

Complaints from surrounding neighbors regarding odor began to filter in. Dannon installed a biofilter unit to remove hydrogen sulfide (H₂S) gas and other noxious odors. The biofilter removed the gas, but unfortunately created additional odors in the process. Dannon went to the biofilter manufacturer for assistance but was unable to obtain a solution.

SOLUTION

PureAir Filtration, which specializes in customizable odor removal systems, was invited to visit the Dannon plant.

PureAir found that the biofilter was removing approximately 90% of the H₂s, but not removing other odors, and was actually creating further odors in the process. A quick review of the biofilter resulted in a recommendation to place a customized air scrubber after the biofilter. The PureAir system was filled with our high-capacity engineered media Sulphasorb XL (to remove the remaining H₂S gas) and our

CPS12 Blend (to remove all of the remaining odors). The PureAir system included Omnisorb to remove the dimethyl disulfide.

RESULTS

The customized air scrubber is a great example of PureAir’s customizable solutions. After the installation, Dannon reported that all odors were removed and customer complaints were eliminated.

PureAir Filtration was asked to provide an odor control solution for Dannon’s sludge holding and equalization tanks. PureAir Filtration will provide a complete two stage filtration solution, with further solutions on deck for other Dannon plant locations.

Other Dannon facilities are now taking advantage of PureAir’s technology.

H₂S Levels In: 25 ppm

H₂S Levels out: .01 ppm

Methyl Mercaptan In: 6.7 ppm

Methyl Mercaptan Out: .021 ppm

Dimethyl Disulfide In: .16 ppm

Dimethyl Disulfide Out: 0 ppm



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