

Odor: Hilton Hotels, Chicago, United States

Republic Waste Services Food Waste Composting Program at Hilton Hotel, Chicago, Illinois

Background

The food waste composting industry is growing at a rapid pace. Many businesses, especially in urban areas, see food waste composting as a way to reduce their solid waste disposal costs while being more environmentally friendly.



Using food bins for separating food wastes can cause odor issues at the storage facilities leading to odor complaints and additional odor control expenses.

Republic Recycling Services handles the food waste composting program for The Hilton Chicago, a hotel located in a busy part of the city. While committed to the environmentally responsible composting program, odor issues in the service bay were difficult to manage.

The purpose of the sampling was to assess the effectiveness of BiOWiSH™ Odor in reducing odor emissions from both solids and liquids in the food waste composting bins.

BiOWiSH™ Odor Application and Testing

Republic and the Hilton tested BiOWiSH™ odor during the hot summer months of July and August in several food waste composting bins. BiOWiSH™ Odor was mixed at a rate of 1.75 oz to 3 gallons of water, or 5,000 ppm. The solution was activated for 45 minutes before being sprayed on the surface of the bins. The lids were closed, and opened less than 3 minutes later. The reduction in odor was significant and noticeable. BiOWiSH™ Odor excelled in reducing the odor by a significant amount.

BiOWiSH™ Odor

- Removes odors at source
- Reduces Volatile Organic Compounds (VOC) emissions
- Helps break down organic waste
- Reduces waste volume
- Accelerates composting time
- Improves leachate water quality
- 100% natural and non-toxic

Available sizes

- 3.5oz/100g
- 2.2lb/1kg



Results/Testimonials

During the trials, the assistant chief engineer of the hotel and the manager of Republic's food waste composting program noticed a significant reduction in odor and ammonia in the treated bins within minutes of application. Republic staff picking up the bins noticed there was very little odor as well.

Some comments about BiOWiSH™ are below:

"We found BiOWiSH™ Odor to be effective at reducing the smell of our compost bins even during the hot summer months. This has allowed us to continue our compost efforts unhindered.

Some compost customers have put their program on hold until they find a solution to the odor problem associated with indoor food waste composting. We haven't had to do that thanks to BiOWiSH™."

– Del Craven, Assistant Chief Engineer, Hilton Chicago

Using biodegradable BiOWiSH™ for odor means the food remains safe for composting, biofuels and other end uses of recycled food.

About BiOWiSH™ Odor

The result of over 18 years of research and development, BiOWiSH™ is a powerful blend of biocatalysts that breaks down complex organic molecules to help eliminate waste, reduce odors, improve soil fertility and enhance water quality, among other uses.

100% natural and non-toxic, BiOWiSH™ is safe for everyday use in a wide range of consumer and industrial products. It has been proven to solve problems in environmental management (including wastewater, solid waste, soil and water remediation and industrial emissions), as well as agriculture.

BiOWiSH™ products are used extensively and available in North America, Australia, Europe, Asia and Latin America. Developed specially for the Solid Waste industry, BiOWiSH™ Odor digests organic compounds that cause noxious odors including ammonia, hydrogen sulfide, amines, mercaptans and a wide range of volatile organic compounds (VOCs).

BiOWiSH™ Odor also accelerates composting time and improves leachate water quality.

Contacts

BiOWiSH Technologies

Tel: +1 312 572 6709

Email: environment@biowishtech.com