

Hospitality Green Cleaning Challenge – Case Study

Client

A Green Hospitality Initiative (GHI) project partner, BHB Pest Elimination, worked with us to conduct a case study on hazardous pest control chemicals at Felidia Restaurant in New York City. 2 very hazardous types of pest control chemicals (Maxforce FC Gel Bait and First Strike) had previously been used as pest deterrents at the restaurant. BHB significantly reduced and/or completely eliminated those chemicals and replaced them with non-toxic products (Phantom, Gentrol, Nuvon, Detour, and Maki) and small amounts of very low toxic level chemicals.

Opportunity Areas

Heavy supplies of the toxic chemicals were in use 5 months before the start of 2014. Felidia agreed at the beginning of 2014 to switch to the non-toxic pest control system and the results were tracked throughout the year.

Objectives

Throughout the entirety of this project, our main goal was to reduce the amount of hazardous pest control chemicals in favor non-toxic products, but we were realistic in this process by gradually reducing some chemicals while introducing others. In addition to switching to non-toxic pest control chemicals, BHB worked with Felidia to develop a proactive training program that significantly impacted results through a system of effective cleaning habits and follow through.

Work Performed & Results

The project savings (both chemical and money wise) can be found in the table below.

Projected Hazardous Chemical Reduced and Dollars Saved at Felidia Restaurant January 2014-December 2014			
Projected Monthly Hazardous Chemical Reduction	Projected Early Hazardous Chemical Reduction	Projected Implementation Costs	Projected Yearly Savings
142 gm.	1704 gm.	0	\$0 (Cost Neutral)

Note: The reduction of hazardous pest control chemicals takes into account the fact that the hazardous chemicals contain 4.3 times as much hazardous chemicals as the low level toxic chemicals eventually used along with the non-toxic chemicals. There was essentially no cost difference for the restaurant in switching to the non-toxic pest control system.