

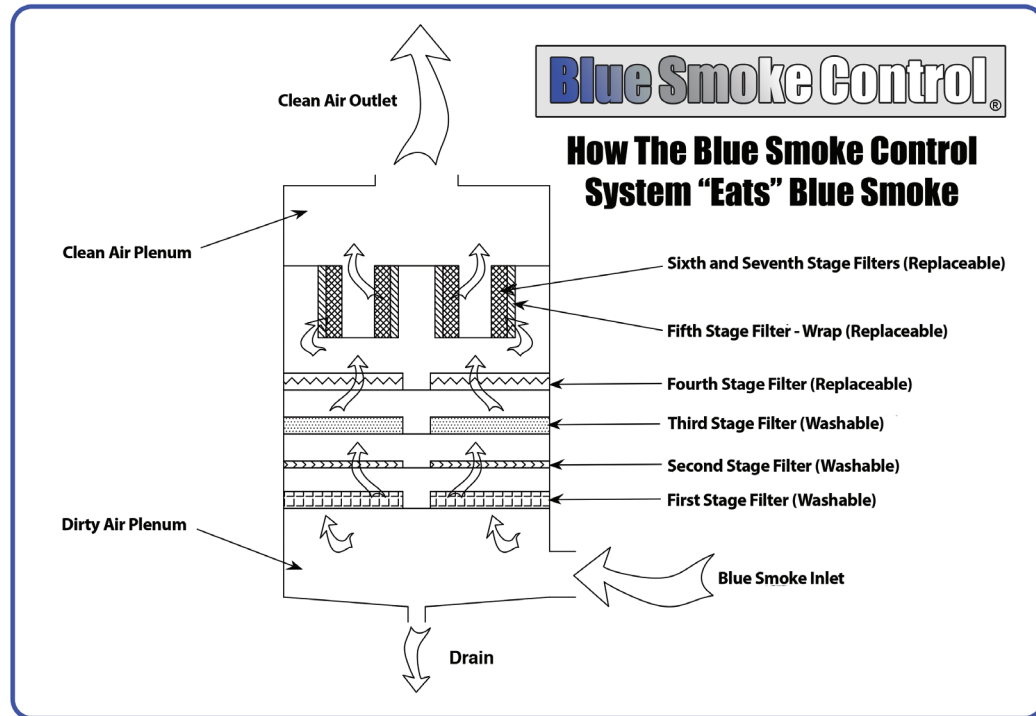
**The Proprietary Collector and Filters Remove Blue Smoke**

The Blue Smoke Control collector utilizes the principal of vertical air flow or "draft" to process the polluted air stream. Up flow enables the collected particles to drip down into the dirty air plenum.

Thus, the collected liquid is prevented from entering the clean air stream.

Gravity aids the drainage process, resulting in more efficient collection, longer filter life and easier maintenance!

**The Patented Blue Smoke Control Filtration System**



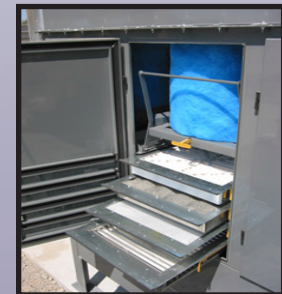
The Blue Smoke Control filter cartridge is made from a proprietary filter media developed exclusively for collecting particulates in the blue mist. Blue Smoke Control filter cartridges sit vertically inside the collector, allowing gravity to aid the drainage process.

**How Our Patented Technology Works at BoDean to Make Their Asphalt Plant Disappear ... Environmentally**

- Secrets Revealed: Making an Asphalt Plant Disappear
- Blue Smoke Control—Best Available Control Technology
- How the Blue Smoke System "Eats" Blue Smoke
- Our Unique Seven-Stage Filter System

**Blue Smoke Control**

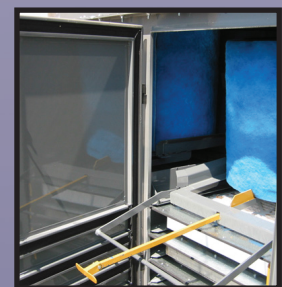
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All Stages of filters are readily accessible through the filter access doors. Filters or stages are installed two deep behind each door.



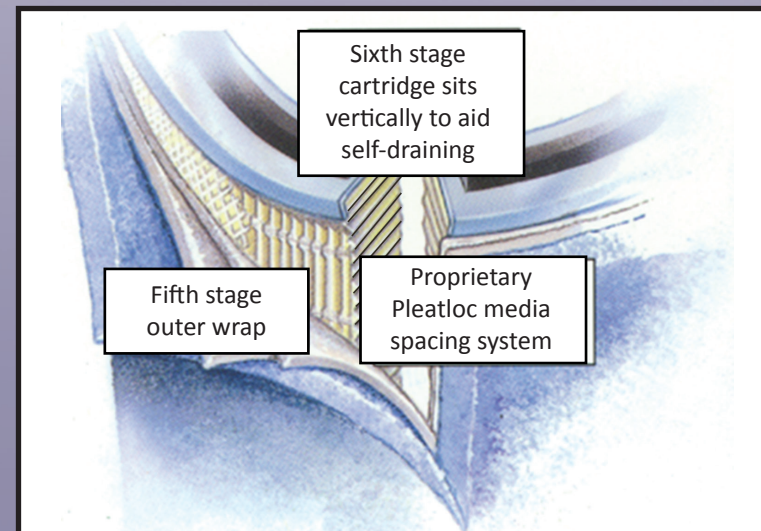
Each of the first four (4) stages are readily accessible. The filter removal handle, illustrated here with the first stage partially removed, enables access to the back filter without reaching deep into the collector.



The fifth, sixth and seventh stage filters are also accessible without reaching deep inside the collector. The filter removal handle enables the rear filter to be pulled out to the access opening for service.

**Seven Accessible Filter Stages Effectively Process Emissions**

Blue Smoke collectors use highly- effective proprietary filters to achieve what we believe is the cleanest plant currently operating anywhere. The final filter is 95% efficient at .3 microns, which is over 30 times more efficient than the Air District's requirement to control emissions of particulate smaller than 10 microns.



**Blue Smoke Control**

**Blue Smoke Control**

a Division of Butler-Justice, Inc.  
 5594 East LaPalma  
 Anaheim, CA 92807  
 (714) 696-7599  
 email: mikeb@butlerjustice.com  
 (714) 696-7599

[www.bluesmokecontrol.com](http://www.bluesmokecontrol.com)  
[www.butlerjustice.com](http://www.butlerjustice.com)

**CASE FILE: #2013  
 SANTA ROSA, CA  
 THE DISAPPEARING  
 BODEAN PLANT**

## Empowering BoDean Company Toward Becoming Invisible—Environmentally



Mike Butler, CEO, Butler-Justice; Bill Williams, General Manager, BoDean Company; Bill Reid, Dir. of Production, BoDean Company

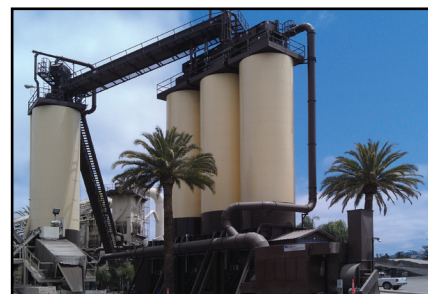
*We are thrilled to have a client like BoDean Company, who wanted us to solve a common problem for most asphalt plants—how to remove blue smoke and odor. Their ultimate goal was considerably higher, however. Rather than simply MEETING air district requirements, they wanted to BEAT those standards and become the lowest emissions asphalt plant on the planet. “We want to become ‘Invisible’—Environmentally,” Bill Williams, BoDean General Manager challenged.*

*That’s our specialty! During the past decade, our Blue Smoke Control group has become the leading provider of blue smoke control systems for the hot mix asphalt industry throughout California, the United States and Mexico. Asphalt plants with our systems run as cleanly and as odor-free as technologically possible.*

*At our California headquarters and in the field, we have worked extremely hard on technological breakthroughs that bring the highest standards of asphalt pollution control while achieving reasonable initial investment costs and economical ongoing operational and maintenance expenses.*

*A significant part of our emissions control strategy has been the development of a system to capture blue smoke from key points in the process. The result is an innovative, efficient and cost effective system that provides state-of-the-art solutions to blue smoke control issues at the (1) Top of Silos, (2) Conveyor Transfer Points and (3) Truck Loadout Areas. Since introducing our patented system in 2002, hundreds are operating, with superb results.*

by Mike Butler, CEO  
Blue Smoke Control  
A Division of  
Butler-Justice, Inc.



**It’s all about Clean and Beautiful at BoDean Company—Santa Rosa, CA**

# Eliminating Blue Smoke and Odor

BoDean Company Chooses Blue Smoke Control’s Advanced Technology for Reducing its Environmental Footprint.

**What is Blue Smoke?** Tiny suspended droplets make up the “blue haze” typically associated with paving and hot mix asphalt production. The haze carries much of the characteristic asphalt odor. Air pollution control agencies are becoming more concerned with blue smoke; especially as RAP: rubberized asphalt and polymer

blends are more routinely specified. These specialty mixes are often known to produce an increased amount of blue smoke. More blue smoke means a greater number of neighborhood complaints for visible emissions and odor - AND more visits from the regulatory agencies.

**The batch plant is controlled by Blue Smoke Control’s Model 6-S12-C 24,000 cfm collector. The four 300-ton silos are vented to a Model 6-S20-C 40,000 cfm collector.**



**“Blue Smoke Control collectors are recognized as ‘BACT’—Best Available Control Technology—in removing blue haze and odor from asphalt producing plants worldwide,” explains Mike Butler of Blue Smoke Control.**

**“The Blue Smoke Control System has removed up to 99.9 percent of the suspended droplets that constitute the blue haze associated with high temperatures in our asphalt production process.”**

**Top of Silo Loading**



**Conveyor Transfer Points**



**Load Out Areas**



*“During our painful process to permit our plant to operate within this populous urban setting, we committed to installing the most efficient Blue Smoke Collectors available. Blue Smoke Control provided solutions that have delighted our local community, more than satisfied the local Air District . . . and made us extremely happy.”*

Belinda (Bo) and Dean Soiland  
Owners, BoDean Company  
Santa Rosa, CA

