

# Bio-Organic Catalyst, Inc. Advanced Bio-Catalytic Cleaning

## "THE NEXT GENERATION IN GREEN CLEANING AND DEODORIZING CHEMISTRY"





## "BOC - THE NEXT GENERATION IN GREEN CLEANING AND DEODORIZING CHEMISTRY"

BOC eliminates microscopic organic bio-film formation ('biofilms'), as well as the residues of traditional detergents, chemicals and sanitation agents, resulting in a new standard in cleanliness and public health.

- BOC meets EPA and USDA requirements for use in food preparation and discharge into public waterways.
- Use of BOC has demonstrated impressive results in reducing petroleum pollution and wastewater discharges.
- BOC is Completely Non-toxic, Biodegradable, And Non-allergenic.
- BOC is not a bacterial/enzyme product, but provides enzymatic characteristics to breaking down molecular structures.
- BOC can replace most cleaners, detergents, degreasers, and solvents, yet is compatible with oxidation chemistries.
- BOC brings immediate elimination of noxious gases and restores septic conditions through enhanced oxygen transfer.





### BOC - THE NEXT GENERATION IN GREEN CLEANING AND DEODORIZING CHEMISTRY

- Both surfaces and underlying substrates are left ultra-clean.
- In cleaning Terrazzo and Stone Tile floors the deeply embedded soils are dissolved, returning to a non-slip surface.
- Dangerous volatile gases and odors are immediately neutralized.
- Greases and oils are easily removed and rapidly catalyzed.
- Drainlines are eliminated of grease blockages and pest infestation due to cleaning of biofilm growth.
- Wastewater discharges are treated 'at-source' lowering subsequent wastewater treatment requirements.
- Microscopic bio-film growth on surfaces that can harbor toxins are quickly dissolved providing enhanced disinfectant control.

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## A CLEANING DEMONSTRATION WITH BOC ON A STONE TILE FLOOR PERMERATED WITH OILY STAINS.





#### A FOOD SERVING AREA OF A MAJOR UNIVERSITY







### **AFTER ONE APPLICATION**





# A CLEANING DEMONSTRATION AT A LARGE INTERNATIONAL TRANSPORTATION FACILITY WITH CONCRETE PERMEATED WITH AIRCRAFT FUEL OIL STAINS

# PROJECT GOAL: REDUCE TPH (Total Petroleum Hydrocarbons) IN STORM WATER RUN OFF INTO LOCAL WATER WAYS





### **BEFORE BOC CLEANING**

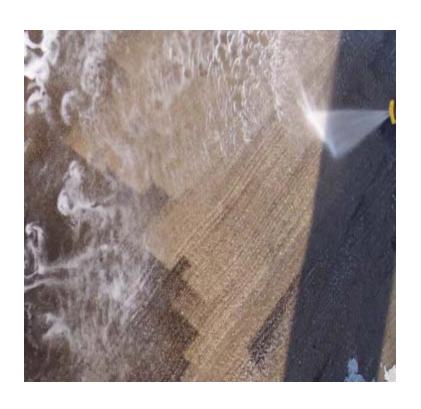








## BOC IS APPLIED AND ALLOWED TO PENTRATE FOR 30 MINUTES AND THEN ARE RINSED BY HIGH PRESSURE WASHER







### **AFTER ONE APPLICATION**

#### BEFORE



#### **AFTER**





## DEMOSTRATION OF BOC ABILITY TO BREAKDOWN DEEPLY EMBEDDED OIL IN CONCRETE

Top View Of Concrete Permeated With Oil



Side View Of Concrete Permeated With Oil-Note the oil has penetrated to depth of 2 to 3 inches







### **AFTER APPLICATION OF BOC**

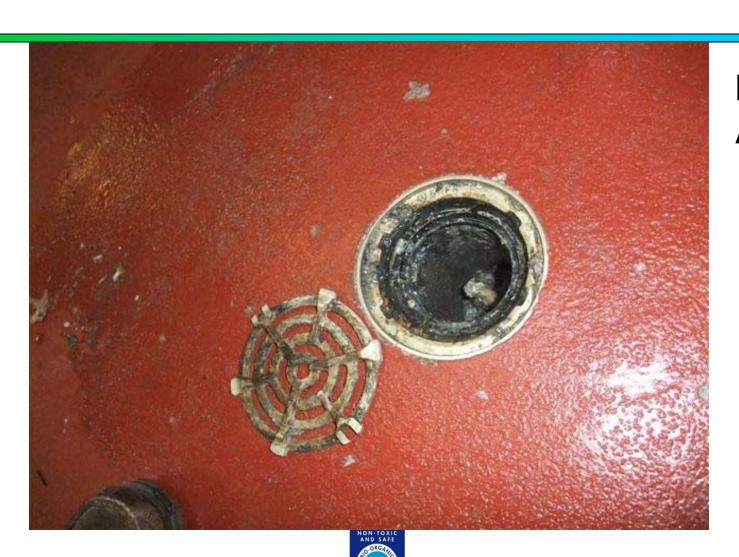






### Drain Before





### Drain After



#### **Partial List of Clients:**

- Wynn Hotel, Las Vegas
- The MGM Grand, Las Vegas
- The Riviera Hotel, Las Vegas
- The Excalibur, Las Vegas
- Mirage, Hotel, Las Vegas
- Bally's, Las Vegas
- The Stratosphere Hotel, Las Vegas
- Paramount Studios, Hollywood, CA
- Caesars Palace, Las Vegas, NV
- Marriott, Seattle WA
- Silver Legacy Casino,Reno,NV
- Fairmont Hotel, San Francisco, CA
- Fairmont Olympic, Seattle, WA
- Blue Beacon Truck Wash, Kansas
- June Mt. Ski Resort. CA
- Thunder Valley Casino, CA
- Embassy Suits, San Diego
- Port Authority of New York & New Jersey
- Dairy Farmers Of America

- Hilton Hotel, Burbank, CA
- Concordia University, CA
- St. Regis Hotel, Aspen, CO
- Chrysler Pacifica, Carlsbad, CA
- Marriott Suites, Costa Mesa, CA
- City of Fountain Hills,AZ
- New York City, Department of Environmental Protection
- New York City, Economic Development
- Corporation
- City of Las Vegas
- Boulders Resort & Spa, Carefree, AZ
- Beverly Hills Hotel, Beverly Hills, CA
- Bel Air Hotel, Bel Air, CA
- Peninsula Hotel, Beverly Hills, CA
- Eastern Municipal Water District, Ca
- Home Wood Suites, Beaverton, OR
- La Meridian Hotel, San Francisco
- Courtyard, Phoenix, AZ
- Renaissance Hotel, Austin, TX
- Marriott Sea/Tac, Seattle, WA

