

HealthSafe

*Advanced Cleaning, Odor & Infection Transmission Control
to Secure Indoor Healthcare Related Environments*



WCP Facility Solutions

Mission

Utilize physics and chemistry to greatly improve indoor air quality and provide secure surface hygiene reducing the likelihood of infections, transmission and repeated exposure to hazardous chemicals and toxins where we live, work, play and learn



About **WCP Facility Solutions**

Business centered around Facility Health and Wellness

- Healthcare (HAI / CAI Eradication)
- Residential (Nursing Homes, Assisted Living Spaces, Apartments, Condos, Vacation)
- Education (Student + Staff Safety / Savings Benefits per Facility)
- Industrial (Employee Absenteeism / Environmental Safety)
- Agriculture (EPA Restrictions / Eliminate Mold + Bacteria)
- Entertainment (Music Venues / Stadiums, Arenas, Theaters, Clubs)
- Recreation (Cruise line Safety / Hospitality Industry, Gyms)
- Retail (Odor Control / Antimicrobial Laundry Additive)
- Liability Risk Mitigation (Lawsuit Avoidance / Fine Reduction)
- Reduce large scale infectious outbreaks (Correctional Facilities)

Product Agnostic

- Find best in class products, design and implement a coordinated symbiotic suite of healthy building technologies and integrate them into cost effective solutions and savings



HealthSafe Agenda

PHASE 1

Identify the Problems

PHASE 2

Increase Indoor Air Quality (IAQ) and implement cleaning and infection control solutions

PHASE 3

Develop monitoring tools for occupants and staff to ensure improved living conditions

PHASE 4

Construct Cost/Benefit Analysis

Immediately: “*Upgrade current public health practices.*”

WCP Facility Solutions recognizes there are no “*silver bullets*” in the world of infection and odor control. We know the problem is complicated and requires multiple solutions. WCPFS specializes in implementing safer cleaning and infection control strategies to “*control*” the spread of microbes.

Let us attack this problem for you by

- Using a systematic layered approach focused on proven methods of transmission and transference
- Instituting state of the art technologies to alleviate costs
- Implementing disruptive products to provide superior outcomes
- Monitoring outcomes from utilized technologies
- Collecting relevant data and providing systematic analysis for “best practice scenarios”

Methods of **Transmission**



Surfaces

Touch Contamination



Textiles

Spore Capture / Bacteria



Hygiene

Hand Washing



Exposure

Outside Sources



Air

Vectors / Air System Handling

BIOPROTECT™

6 Hour Hand Sanitizer

- Regular hand sanitizers work only when the product is wet
- BIOPROTECT™ unique alcohol-free foaming hand sanitizer delivers 6-hour residual protection on skin surfaces
- Benzalkonium Chloride/Aloe formulation, non-sticky, non-greasy, no odor
- Once applied the material bonds to the skin surface and provides continual protection even after hand washing/hygiene procedures
- Application on hands reduces inoculation of touch points throughout the environment, reduces cross contamination
- Alcohol-free, no fire hazard for storage, or false positive drug testing results for personnel
- Reduces likelihood of viral exposure, aids in keeping family, friends, and guests well



Surface Antimicrobials

Chlorine Dioxide (ClO₂) Solution Surface Deodorizer

Chlorine Dioxide (ClO₂) - Off Gassing Deodorizing Tablets

Hypochlorous Acid (HOCL) - Disinfectant

- **Chlorine Dioxide (ClO₂)** is an all-purpose, surface cleaner which is an excellent solution to eliminate smoke and odors
- **Off Gassing Tablets** require no labor – simply place the tablet in the appropriate container of water
- **Chlorine Dioxide (ClO₂)** is the CDC's recommended product for disinfection of PPE vs Ebola.
- **Hypochlorous Acid (HOCL)** is made naturally by white blood cells in all mammals for healing and protection
- **Hypochlorous Acid (HOCL)** is a powerful oxidant that is effective against bacteria, fungi, and viruses

Label Claims Bacteria and Fungi

- Salmonella enterica
- Escherichia coli
- MRSA
- Salmonella enterica
- Acinetobacter baumannii
- Staphylococcus aureus
- Legionella pneumophila
- Aspergillus niger
- Enterobacter aerogenes
- Listeria monocytogenes

Label Claims Viruses

- HIV-1
- Norovirus (feline calicivirus surrogate)
- Respiratory syncytial virus
- Rotavirus
- H1N1 flu virus
- H5N1 flu virus
- Hepatitis B
- Hepatitis C

Chlorine Dioxide (ClO₂)

Chlorine Dioxide Solution- Deodorizer Chlorine Dioxide - Off Gassing Tablets

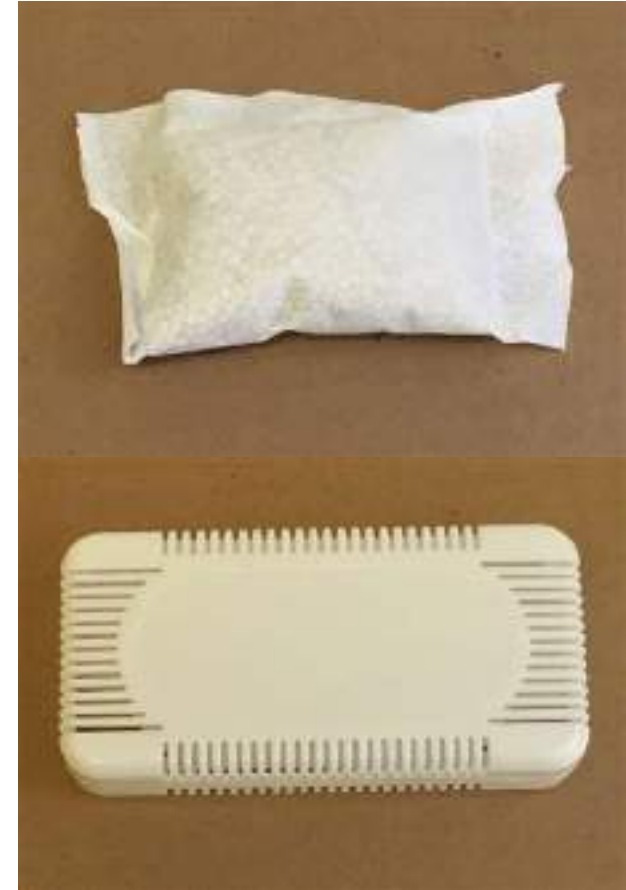
- **ClO₂** is an all-purpose, hospital grade, multi-surface cleaner, used to control odors
- **30gm Stabilized** powder packet makes 3 gallons of solution
- **20gm off Gassing Tablets** require no labor – simply place the tablet in the appropriate container of water
- **Chlorine Dioxide** is the CDC's recommended product for disinfection of PPE vs Ebola. Eliminates smoke and odors
- **Off Gassing Tablets** provide coverage to spaces that cannot be conventionally cleaned
- **4gm ClO₂ tablets** when used in vehicles treats cabin ducts and filters eliminating odors



Chlorine Dioxide (ClO₂)

Slow Release Sachets Destroys Odors in Vent Systems and Spaces

- ClO₂ is an all-purpose, hospital grade, multi-surface cleaner, broad spectrum deodorizer
- Each Packet contains ClO₂ sandwiched in between a semi - permeable membrane releasing consistent amounts of ClO₂ gas to purify the air
- **Packets** require no labor - simply place the sachet in the appropriate size holder and place in the area to be treated
- **Chlorine Dioxide** Eliminates smoke and odors
- **Packets** can used in vehicles eliminating odors
- **Place packet** in duct work, vehicles, sport & school bags, attics, closets, basements, restrooms.



Aquaiox™ Hypochlorous Acid

Disinfectant / Cleaner/Deodorizer

Hypochlorous is the most effective species of chlorine, as its active ingredient. Studies show that as a disinfecting solution HOCl is up to 100x more effective than bleach in surface disinfection of bacteria and yet is nontoxic to humans.

Hypochlorous Acid is made naturally by white blood cells in all mammals for healing and protection

HOCl is a powerful oxidant that is effective against bacteria, fungi, and viruses and is an excellent all around use product

Non-toxic cleanser and sanitizer formulation, surface contact food and pet safe

Introduce a light fog into living spaces to reduce microbes and treat carpets, sofas and curtains

Label Claims Bacteria and Fungi

- Salmonella enterica
- Escherichia coli
- MRSA
- Salmonella enterica
- Acinetobacter baumannii
- Staphylococcus aureus
- Legionella pneumophila
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- Listeria monocytogenes

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- H5N1 flu virus
- Hepatitis B
- Hepatitis C

SHIELD™ Disruptive Biostatic Agent 90 Day Surface Protectant

- Effective on surfaces for up to 3 months
- Eliminates bacteria, mold, fungus, algae, and other odor causing microbes
- Organic, non-toxic, non-leaching, water-based molecule
- Persistently kills organisms mechanically instead of chemically
- EPA approved for porous and non-porous surfaces
- Works on textiles in laundry solutions, provides odor control
- Provides an anti-static component to laundered materials
- A Silicone Quaternary Ammonium Salt (Organo-Silane Molecule)
- Approved for direct surface food and pet contact
- Edison Award Winning product





SHIELD™

Laundry Treatment

- Organic product non-toxic, water-based molecule laundry softener for clothing, uniforms, textiles, and tablecloths
- Extends garment/uniform life as bacteria feed off dead skin cells embedded within the clothing fibers
- When the SHIELD™ treatment has dried and establishes its mechanism of defense the matrix inherently adds beneficial hydrophobic qualities to textiles with which it has been applied
- This process enhances the material's ability to resist spills, soiling, liquids and absorption of sweat and body odors while still allowing the garment to significantly breathe and provide evaporative cooling
- Produces persistent residual self-sanitizing against athlete's foot fungus (*Trichophyton mentagrophytes*) on treated socks. Durable for up to 10 repeated washings; prevents 99.9% of athlete's foot fungus growth
- Provides anti-static component, exceptional odor control



- Multi-purpose cleaner /degreaser
- Mop Floors
- Sanitize Tables
- Clean Bathrooms
- Remove Odors
- Clean Cooking Equipment
- Clean Windows
- "Everyday Cleaner"

**Liquid Cleaners and
Disinfectants Leave
Behind Biofilm**

Simix Cleaner

Detergent

*Dissolves the
lipid membrane*

Hydrogen Peroxide

Destroys viral structure

High pH

*Hostile to viral and
microbial growth*



**Biofilm is a Hideout
and a Food Source for Microbes**

**Simix Removes and Prevents
Biofilm Build-up**

SIMIX™ Floor Coating Reducing “Slip and Fall” Incidents

SIMIX Multi-Surface Ceramic Clearcoat creates less slippery floors and is rated as high traction by ANSI standard “Dynamic Coefficient of Friction” (DCOF) testing. Using a tribometer on a wet surface, floors treated with Simix™ maintain high DCOF ratings (above .42) and are safer for students, customers, faculty and staff. This results in a reduction of “slip and fall” incidents, relating filing of potential lawsuits, insurance claims and processing of requisite paperwork.



Coating DCOF result ANSI Standard Range SIMIX
Ceramic Clearcoat = .436 High traction

Perfect Clean™ Microfiber

- **Physically removes 85% of grime, dust and Micro-organisms**
- **Durable and Chlorine Stable designed to meet CDC guidelines for Blood-Borne Pathogens**
- **Lint-free therefore lessens particulates produced from paper towels**
- **Multicolor to identify use area (Bathroom vs Kitchen Applications) helps limit cross contamination**
- **Provides an electrostatic charge to *attract* debris**
- **Aides in achieving Dwell Time**
- **Reduces waste**
- **Highest Absorption Capacity of any Product Tested**
- **Multiple patents including internationally patented "Built-in Antimicrobial Product Protection"**



Scrub & Clean Sponge

Proprietary Antimicrobial coated.
One side is a dense terry-type material ideal for cleaning and the back side has “thin film” knitted into the surface to provide for a less aggressive scrubbing action. The terry side is made from TW420AM, a proprietary double sided terry material developed to meet the rigorous quality, durability and performance of the commercial laundry. Adhering to strictest Quality Control Standards this material offers the highest concentration of micro-denier fiber resulting in unrivaled performance – it takes the effort out of cleaning.



Monitoring – *Doing what we say we do....*

WCP Facility Solutions maintains a number of strategic alliances with technology companies providing monitoring of viable air samples and surface contamination with cloud based, and off-site notification capabilities. We suggest you purchase a monitor that shows the following to show the results of the technologies

Providing measurement of environmental parameters such as:

- Temperature
- Humidity
- Ozone
- CO2
- Pressure Differentials
- Particulate Matter from 0.1 micron to 10 micron
- VOC's

Protect family, friends, and guests to help decrease the likelihood of viral transmission. There are a number of units available in the marketplace, let us utilize our decades of experience to select the unit that is right for your facility.



Indoor Air Quality Approach

We understand that decreasing overall particulates and microbes found in confined spaces, leads to better health cost savings, along with lower risk of airborne transmission of microbes and decreases the likelihood of microbial touch contamination therefore preventing illness and subsequent hospital transfers.

WCPFS maintains access to a number of filtration technologies which can accomplish this goal, and can suggest filters to raise the level of clean air in your home.



HIGH EFFICIENCY AIR FILTRATION

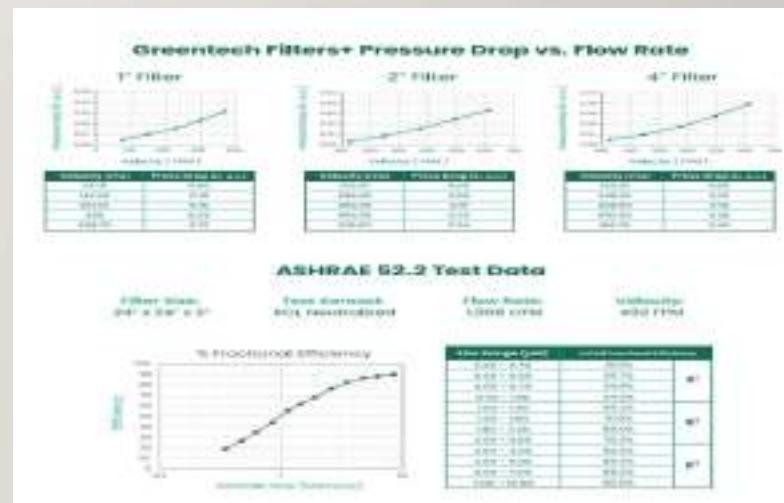
These filters provide high quality true MERV 13A air with the added benefit of a proprietary micro-biostatic surface coating Destroying Odors, reducing particulates such as dust, pollen and pet dander into your home. It is important to start with as clean Indoor Air Quality as possible monitoring results then adding supplemental devices to obtain the highest Indoor Air Quality (I.A.Q.) results.



Standard Sizes

16" x 20"
16" x 25"
20" x 20"
20" x 25"
24" x 30"

Please Call for Custom Sizing



HealthSafe Summary



Lower Monthly Expenses

Cleaning + antimicrobial costs



24/7 Protection

*Continuous surface + textile cleaning and
sub-micron indoor air filtration*



Helps Ensure Safety

Family, friends, and guests



Environmentally Safe

**SHIELD™ 90 Day Surface
Protectant**

**BIOPROTECT™ 6 Hour Hand
Sanitizer**

SHIELD™ Laundry Treatment

PerfectCLEAN™ Microfiber

**Greentech™ Submicron Indoor
Air Filtration**

**Hospital-grade Odor
Controlling Disinfectants**

Environmental Monitoring

Infection Control Consulting



WCP Facility Solutions

Your Partner for Safe and Healthy Facilities

Thank You For Your Interest!

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