

HomeSafe

*Advanced Cleaning + Infection Control
to Secure Indoor Residential 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 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 (Homes, Apartments, Condos, Vacation + Airbnb rentals)
- 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



HomeSafe 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 to ensure improved living conditions

PHASE 4

Construct Cost/Benefit Analysis

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

WCP Facility Solution recognizes there are no *“silver bullets”* in the world of infection 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

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.



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



KloreSe™



Why Klorese?

When mixed with water, Klorese tablets release Hypochlorous Acid, producing an EPA-registered broad spectrum disinfectant that kills pathogens including biofilm, human coronavirus, C. diff endospores, MRSA, E coli, Norovirus and more. With neutral PH, it is safe and effective to use on any surface and in any facility.

	Klorese vs Bleach vs Quats		
Sporicidal	✓	✓	✗
Kills biofilm	✓	✗	✗
No significant health risk	✓	✗	✓
No odor or mild odor	✓	✗	✓
No damage to floors	✓	✗	✓
Shelf life when diluted	6 days	12 hours	1 day
Shelf life before dilution	3 years	1 year	2 years
Hazardous Materials Identification System (HMIS) rating	1 (Slight hazard)	2-3 (Moderate to serious hazard)	1 (Slight hazard)



- 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**

SHIELD™

Disruptive Biostatic Agent 90 Day Surface Protectant

- Effective on surfaces for up to *three 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, anti-static component
- A Silicone Quaternary Ammonium Salt (Organo-Silane Molecule)
- Approved for direct surface, food, and pet contact
- Edison Award Winning product – *“Best New 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

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.



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 hospital visits.

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.



INDOOR AIR QUALITY

Indoor air pollution is an international health concern because people spend 90% of their time indoors. Children are at a higher risk of health problems from pollutant exposure, especially because air in the “child breathing zone” is more polluted than it is in the “adult breathing zone”. We suggest that you equip your home with the highest available MERV Rated Filters that your system can accommodate. Routinely clean your air spaces by fogging Hypochlorous throughout, treat carpets and floors and use an Air Quality Monitor to assure your results.

SIMIX Multi-Surface Ceramic Clearcoat improves the ability of any new or old unit to produce dramatically colder and fresher air

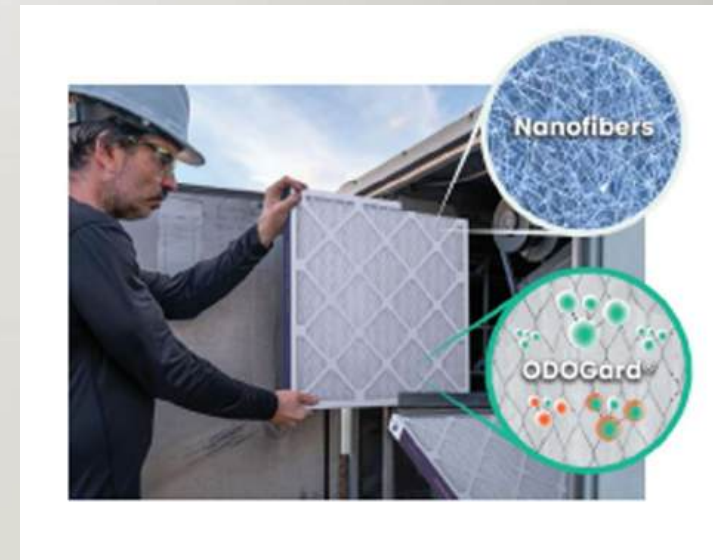
Multi-Surface Ceramic Clearcoat

- **Lowers your energy bill 10%–20%**
- **Add years to the life of your A/C units**
- **Destroys all foul musty odors**
- **Prevents salt damage**



Air – Greentech™ Containment Filter with ODOgard™

- The most cost effective solution for improving indoor air quality, eliminating odors, and saving energy in commercial buildings.
- Great for older equipment, areas that require better filtration, construction material off-gassing, high traffic areas, LEED buildings, and any odors or volatile organic compounds, everywhere you have a pleated filter.
- True mechanical MERV 13A with low pressure drop equal to a true mechanical 8A airflow, for better energy efficiency and provides less stress on existing HVAC systems.
- 2 in 1 filter- High MERV rated filter plus the advantages of gas phase reductions for odors and VOC's.
- ODOgard™ creates a molecular bond with odors and renders the odor inert, eliminating them.



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 home.



TIPS ON PURCHASING A MONITOR

Quality monitors are equipped with powerful sensors that normally detect an number of environmental conditions including Temperature, Humidity, Carbon Dioxide, Carbon Monoxide, Ozone, Volatile Organic Compounds (VOC's), Formaldehyde, the Air Quality Index (A measure of the over state of the environment you're standing in), Particulate Matter from 0.1 microns to 10um Dust Particles, and more, in REAL-TIME.

We recommend a device that minimally will detect the following:

1. Temperature
2. Humidity
3. CO2
4. AQI
5. Particulates to the lowest size, based on your budget

Prices for these units found on Amazon or in retailers vary widely, generally the more features it provides and how sensitive the sensor is for each parameter monitored, the higher the price.

These devices will give you the ability to assess the cleanliness of the air around you and point out where problems may exist

This is especially important when residing in areas encountering wildfires, sand storms and environmental Ozone.





Keep Passengers Safe 24/7

- Clean all Automobiles, SUVs, and Recreational Vehicles with Simix™ Cleaner / Degreaser and water
- Disinfect with Hypochlorous Acid (HOCL)
- Residually protect with SHIELD™ Technology
- Remain continuously and residually protected from home, to school, to work, and all places in between

HomeSafe

OPTIONS

*Advanced Cleaning + Infection Control
Product Suggestions
to Secure Indoor Residential Environments*



WCP Facility Solutions

We Suggest the Purchase of a **LOW VOLUME SPRAYER**



Medical grade



Refine the fog



Low noise



Multifunction



Portable



- Spray distance reach to 20-26 feet for maximize atomization effect. Adjustable screws allow you to easily change the flow of the fog machine while in use. With adjustable particle size of 0 to 50 microns, this is the ideal atomizer for indoor spraying needs.
- High efficiency electric fogger can finish spraying a gallon of solution within 8 minutes, and it is more effective and time-saving than a manual sprayer.
- Can be used to treat large surface areas
- Can treat Indoor Air Quality when used with Hypochlorous Acid

Home Depot Handheld Sprayer 56 oz. (0.4375 Gal)

- 56 oz. capacity is ideal for small spraying applications
- Compact size for indoor or outdoor use
- Wide-mouth bottle is easy to fill and clean
- Translucent poly tank for easy fluid-level checking
- Lightweight, handheld design for portability
- Poly nozzle adjusts to meet your spraying needs



HomeSafe 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™ Indoor Air
Filtration**

Hospital-grade 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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