



# CLEANOLOGY 411

## Cleaning Trends and Technology

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### The New Rules of Cleaning

Trends, Technology and New Rules of Cleaning have had an impact on the Professional Cleaning Industry. Cleaning for Health, Safety and Protecting the built environment is an on-going topic of discussion. Green Cleaning for Healthy Schools, Hotels, Food Service outlets Offices, Healthcare, etc., Environmental Stewardship Principles and Sustainability Cleaning are uppermost. What is happening today is a conscientious movement towards Chemical Free Cleaning Technologies and Strategies.

### Chemical Free Cleaning

The cleaning risks of toxic cleaning chemicals is a high concern. Many institutional and household cleaners contain a variety of harmful toxic chemicals, such as ammonia, phenol, ethanol, formaldehyde, butane, propane to name a few. Such chemicals have a large impact on our health and environment. Individuals who suffer from allergies or multiple chemical sensitivities are more susceptible to the ill effects of toxic chemicals. Chemical Free Cleaning, as a process is slowly being introduced to all type facilities in Hawaii. This is a positive step toward realizing the Full Value of CLEAN.

### Cleaning Values

- Image and Cleanliness
- Health and Wellness
- Safety and Comfort
- Morale and Happiness
- Value and Maintenance

### Did You Know?

That the average person spends 90 percent of their time indoors.

\* That indoor air pollution is the nation's biggest problem which can trigger allergies, asthma and infectious illnesses.

• That tightly constructed buildings don't breathe and that there is little or no air exchange and indoor air is re-circulated.

\* That indoor air pollution is trapped indoors and it affects our bodies through our noses, eyes, mouths and skin.

\* That the indoor environment includes our homes, schools, hotels, offices, hospitals, stores, and all other buildings. These are places that must be kept clean, maintained and protected to ensure for an environment that is healthy and safe.

### Renewable Cleaning Defined

Renewable cleaning is the removal, inactivation and/or proper disposal of pollutants contaminants, pathogens, particles and chemical residues to restore our built or indoor environments to their original or desired condition. Renewable cleaning works like nature does and employs parallel methods. Renewable cleaning conserves resources (economic and financial).

### Why Renewable Cleaning?

To introduce the basics on the science and art of cleaning, focusing on Cleaning For Health and to establish a Code of Best Cleaning Practices: \*To Deliver A Healthy & Safe Learning and Work Environment. \*To Deliver High Standards of Cleaning Services. \*To Deliver Environmentally Sound Standards. \*To Provide Training on How to Perform Cleaning Processes. \*To Provide Best Quality Cleaning Results.

### What is Renewable Cleaning?

\*Renewable Cleaning is an organized Green Cleaning Program that targets general sanitation and focuses on using eco-friendly practices and products to create a healthier environment. \*A Cleaning Program that utilizes Eco-Friendly Natural Cleaning Products that are non-toxic, biodegradable, not tested on animals, renewable & sustainable.

\*Uses cleaning equipments that clean better, faster and reduces the need for chemical application and cleans a surface, polish stainless steel, clean mirrors, or collect dust as with Micro-fiber cleaning cloths and flat mops. Renewable Cleaning will Change the way Hawaii Cleans, .

### Water Science (H2O)

Water is a key medium for renewable cleaning as it is a universal resource which is benign, non-polluting, and naturally replenished. Water plays an important role as a chemical substance. Water is one of our most plentiful chemicals. Its chemical formula (H2O) is probably the most well known of all chemical formulas. Water's many important functions include being a good solvent for dissolving many solids, serving as an excellent coolant both mechanically and biologically, and acting as a reactant in many chemical reactions.

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