

US EPA ARCHIVE DOCUMENT



THINK GREEN HEALTHY CLEANING

CLEANING TO PROTECT HUMAN HEALTH
WITHOUT HARMING THE ENVIRONMENT





What is Green Cleaning?

“Environmentally Preferred products and services that have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose”

Presidential Executive Order 13101

**In short Green Cleaning is:
Cleaning to protect health without
harming the environment.**



Why Clean Green?

Impact of Cleaning Operations

- 6 Billion pounds of cleaning chemicals consumed
- 4.5 Billion pounds of paper used in cleaning
- 35 Billion plastic trash liners
- Millions of pounds of discarded janitorial supplies and equipment

Indoor Air Quality

- People on average spend 90% of their time indoors.
- Tighter buildings
- Indoor air quality can be 2-5 times worse than outdoor air.



Why Clean Green in Health Care?

Patients and staff in Health Care facilities are vulnerable to the affects of cleaning

- Patients may suffer from compromised immune systems.
- Difficult to move patients from the impacts of cleaning

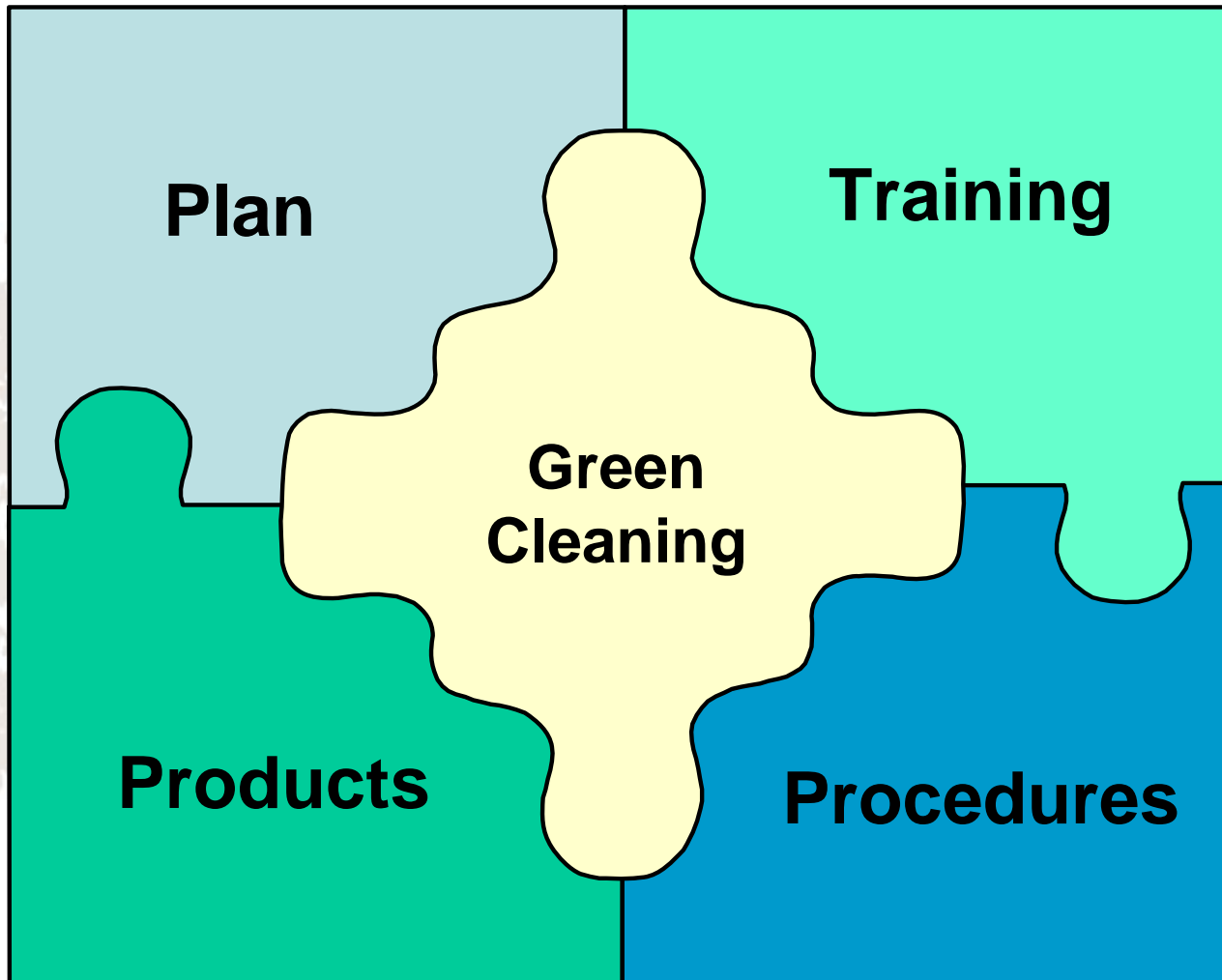
Proven Realities

- 80 percent of infections are transmitted through our environment
- cross contamination can lead to devastating circumstances when people with compromised immune systems are exposed





Putting it Together



The Plan

First you need to develop your plan, this consists of:

- Building a green team
- Setting your goals and objectives
- Establishing a timeline
- Conducting an audit of current products



Products

Kelsan is committed to providing our customers with high performance products that are certified by 3rd party qualifiers, such as Green Seal, DfE and the Carpet & Rug Institute.

Our recommendations follow the guidelines set by LEED and the U S Green Building Council (USGBC).

Chemicals that meet the standards set by Green Seal or DfE.

These contain fewer toxins and lower VOCs (Volatile Organic Compounds) and may be used in a chemical management system which ensures user safety and less waste.

\$ Savings include less chemical usage.

Microfiber products reduce chemical usage, aid in the prevention of cross contamination and increases the indoor air quality by lowering particles in the air.

\$ - Savings

- ***60% lifetime cost savings for mops***
- ***95% reduction in chemical and water usage***
- ***20% labor savings per day.***

Paper products & Can Liners

These meet the standards set by the EPA for post-consumer content.

This would include at least 20% for tissue & can liners and 40% for towels and wipes.

Bleach-free processing is also another requirement that is met with our products.

Using coreless paper products also reduces waste.

Considering using a "touch free" dispenser if possible, as it reduces potential cross-contamination of bacteria and other potentially harmful pathogens.

\$ Using touch free dispensers regulates the amount of product that is dispensed.

Up to 30% reduction over multi-fold towels

Vacuum cleaners

Vacuums that carry the Green Label of the Carpet & Rug Institute contain features which lower particulates that are released in the air and lower sound levels to protect hearing.

\$ The features of this product extend the life of the carpet and capture more dirt.

Hot water extraction equipment

For deep cleaning carpets, these are capable of removing sufficient moisture such that carpets can dry in less than 24 hours.

\$ higher moisture removal results in less down time for the facility and reduction of labor costs.

Touchfree restroom components

These include touch free soap dispensers that use less soap

auto faucets that save up to 70% on water cost

auto flushers that reduce water costs and promotes cleanliness

waterfree urinals that can save an average of 40,000 gallons of water each year

Entryway matting systems

Entryway matting keeps 80 to 90 percent of dirt out of facilities, increases the life span of flooring, and can be instrumental in preventing slips and falls.

\$ It can cost up to \$600 to remove one pound of dirt from a building.

42% of a floor's finish can be removed within the first six feet of an entrance after only 1,500 people have walked in.

Standard Operating Procedures

The 2nd component of a green cleaning program is Standard Operating Procedures (SOP).

SOPs play an important role and need to be developed and maintained on a regular basis.

Some of the suggested SOPs that we can help you develop are:

Cleaning procedures that are area specific by building.

Equipment maintenance and operation procedures ensure that the cleaning staff operate the equipment safely and properly while regular maintenance extends the life of the product.

Why We Need Training



Training

Training is the 3rd component of a green cleaning program. With the products and procedures in place, personalized training assures success of the green cleaning program.

Some of our training offerings are:

Green Cleaning 101

Cleaning Basics

Equipment Training

Restroom Care

Floor Care

Safety (MSDS & Labels)

How to use Microfiber

Chemical Management Systems

Green Products

Proper Use of Disinfectants

Personal Protective Equipment

Kelsan's Green Team

Our Green Team is eager to help you develop your green program. They have gained their knowledge through membership with USGBC, attending green cleaning seminars and working with industry leaders.

Their knowledge of the Green Seal Cleaning Standard, LEED certification and the ISSA Cleaning Standard are beneficial in assisting you with your green cleaning program.

Questions?

