



## NC State University

### Facilities Operations - University Housekeeping

#### Green Cleaning Program

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#### MISSION

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The Housekeeping Department of North Carolina State University recognizes the impact that unsustainable facilities management has on the natural environment. As part of our ongoing commitment to the faculty and student body of NCSU, we will continue to respond to the needs of the campus community with innovation, integrity, accountability, and excellence with sustainable and ethical management practices in mind. With the implementation of the *Green Cleaning Program*, we aim to elevate NCSU to the front lines of environmental awareness. We will be the leading higher education facilities organization.

#### Chemicals

- Utilization of products which meet or exceed standards set forth by the United States Green Building Council, Green Seal (GS), and EPA Environmental Choice
- Utilization of chemical dispensing stations which pre-measure chemicals which reduces use of water, helping to achieve water consumption goals established by the University
- Utilization of automatic floor scrubbing machines equipped with built-in chemical dispensing units
- Prevention of unauthorized chemicals being used in accordance with standards set by Chemical Committee

#### Equipment

*Utilization of equipment that focuses on three (3) key areas for a successful Green Program; soil reduction, dust containment, and carpet fiber protection.*

- Back-pack vacuums that reduce noise levels, protect the life of the carpet and improve overall indoor air quality, and increase efficiency of the housekeeping staff
  - Removes 99.9% of airborne particles .3 microns or larger as certified by the Carpet and Rug Institute
- Use of electrolyzed water systems (Orbio 0s3 System) that eliminate the need for traditional chemicals that can be harmful and/or toxic to the environment and building occupants/staff
- Floor burnishing equipment that is equipped with the P.A.S.S. system
- KaiVac “No Touch” cleaning system manufactured by KaiVac, Inc
  - Removal of soils, bacteria and other contaminants. Uses automatic chemical dispensing, an indoor pressure washer, and a wet vacuum all in one integrated system.



#### Supplies

- Utilization of paper products derived from 45% post-consumer content
- Utilization of entrance mats manufactured from 20% recycled material designed to reduce floor surface soiling.

- Utilization of Micro-Fiber mopping systems that reduce water usage by more than 95% & picks up 40% more dirt/soil from the surface than traditional cotton/synthetic mops

### **Energy Conservation**

- Reduction of energy consumption with the use of low-energy/low mercury lamps and efficient LED lighting

### **Recycling**

- Recycling of waste lamps and office generated paper trash has contributed to the ongoing success of the departmental recycling program
- Partnering with the efforts of the Office of Sustainability and the Office of Waste Reduction
- Incorporation of a campus-wide recycling program that diverts over 40 tons of trash from landfills annually



### **Training**

- Continual departmental training and education through forward-thinking OJT program that keeps us aware of industry changes and advancements
- Use of certified corporate trainers that provide professional on-site instruction to staff on all levels
- Courses taught by housekeeping managers for a hands on approach



Preview YouTube video Sustainability at Work [Sustainability at Work.url](#)