

SUCCESS STORY

University Campus



CONTACT

713 465.3500 Texas
888 914.5464 Missouri
614 742.7729 Ohio

 info@KingsClean.com

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Indoor air quality improved 19% with \$1.5 million cost savings

Facility:

Large Midwestern university with more than 4.5 million cleanable square feet.

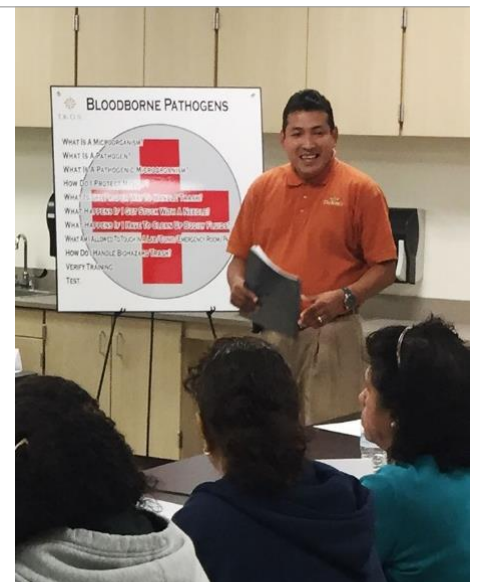
Situation:

Beginning September 2011, the facility department of this university began cleaning a large academic building with a new cleaning process provided by The King's, designed to *Clean for Health* and eliminate waste. Primary goals of this process are to (1) clean for health first and then appearance; and (2) to provide more service using less staff within the current funding level.

As of the initial measurement period, **both goals were achieved**. Test results indicated a **significant improvement in indoor air quality (IAQ)**. Simultaneously, the FTE head count of janitorial staff was **reduced from 160 to 120, a 25% reduction**.

Scientific Study:

The university environmental health and safety (EHS) department performed indoor air quality testing during the second and third week of October 2011. On five separate days during that two week period, seven locations within the building were tested consistently. The results of this baseline data were compared to results of the second testing of indoor air quality, which took place the last week of February 2012.



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Academic Building	October 2011	March 2012	Percentage Improvement
1.0 micron particles	43%	24%	19%
0.3 micron particles	31%	21%	10%

Scientific study, continued >

The same seven locations were tested in the second testing cycle.

Comparative review of the data showed a significant reduction in airborne contaminants, including but not limited to dust, dust mites, dust mite feces, dead skin cells, fungal spores and mold spores. The reduction of 1.0 micron particles from October 2011 (43%) to March 2012 (24%) was 19%. The reduction of .3 micron particles from October 2011 (31%) to March 2012 (21 %) was 10%.

The university believes that *cleaning for health first* has benefits regardless of the age or technical complexity of a building.

Results:

The *Cleaning for Health* process improved indoor air quality by 19%. Simultaneously, the FTE head count of janitorial staff was reduced from 160 to 120, a 25% reduction for an estimated savings of more than \$1.5 million to the university.

Considering that this new academic building opened in 2010, it is ideal to preserve the long-term value of this new property investment. However, the university believes that cleaning for health first has benefits regardless of the age or technical complexity of a building. The life expectancy of all building assets, such as carpet, hard floor surfaces, paint, computers, class room equipment, etc. is increased by cleaning for health.

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