

SUCCESS STORY

# Church School



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# Indoor air pollutants reduced 88% in only 75 days

## Facility:

20,000 sq. ft. church educational wing and child care center with first and second stories, located in a residential community near Houston.

## Scientific Study:

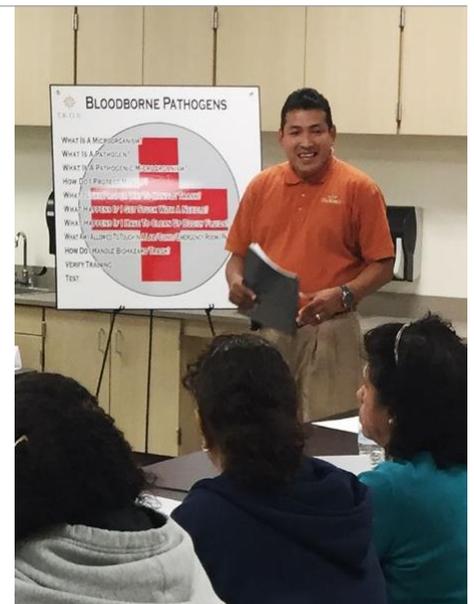
The King's conducted a **75-day study on the status of 0.3 micron levels of indoor air particulates**. The initial indoor air quality (IAQ) test was conducted in March 2013 and The King's cleaning for health team began cleaning in April.

The progress audit was conducted June 28. Testing equipment used was professional-grade, typical in laboratories, clean rooms, pharmacies, and hospitals. Multiple samples were taken. After only 75 cleaning days, harmful air particulates down to 0.3 microns were **reduced by 87%** on the first floor **and 88%** on the second floor.

## Situation:

Church leaders were concerned about high levels of 0.3 micron airborne particulates, known to cause or exacerbate respiratory problems, especially among children. The health of their children and teaching staff is a high priority.

Examples of 0.3 micron airborne particulates include: dust, dust mites, dust mite feces, dead skin cells, the H1N1 virus, fungal and mold spores, and many harmful bacteria.



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### Results:

Progress audit conducted on June 28 revealed that, after only 75 cleaning days, harmful air particulates down to 0.3 microns were reduced by 87% on the first floor and 88% on the second floor.

Church educational wing and child care center	PPM on 3/21/2013	PPM on 6/28/2013	Percentage Improvement
First Floor	560,580	74,685	<b>87%</b>
Second Floor	579,160	69,448	<b>88%</b>

### Solution: The King's Operation System (TKOS)

Over the 75-day period, between mid-April and the end of June, we implemented The King's Operation System (TKOS) with particular emphasis on these strategies:

- Cleaning staff were graduates of the **TKOS Training Camp**
- Each cleaning team member was **trained as a specialist** and provided **standardized equipment and materials** for their area
- Cleaned with and managed the filtration on our **4-level filter back pack vacuums**,
- Dusted with **microfiber clothes** and duster covers on our "wooly dusters,"
- Mopped with **microfiber flat mops** and a specialized cleaning solution, using our **double sided mop bucket system**, and
- **Laundered cleaning cloths** and mop heads at specific frequencies.

*Intelligent Cleaning for Health* can reduce indoor air pollutants by 75% in many facilities. And simultaneously, increase productivity up to 30% *and* slash material costs by up to 30% annually.

Long-term benefits affect the overall real estate investment value. The life expectancy of building assets, such as carpet, hard floor surfaces, paint, computers, servers, etc. is increased.

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