PURE-Steamp is a valuable service to ensure optimal IAQ and HVAC performance for improved building health and energy savings!

The Project:
The Harvard Medical School community, located in the historic Mission Hill neighborhood of Boston, is dedicated to excellence and leadership in medicine, education, research and clinical care. Since the School was established in 1782, faculty members have improved human health by innovating in their roles as physicians, mentors and scholars. Harvard Longwood is a large campus that encompasses over 4 million square feet of building environments covering approximately 14 buildings.

Benefits of PURE-Steamp Coil Cleaning Process:
PURE-Steamp Coil Cleaning is an Eco-friendly process that uses no chemicals. Instead it will utilizes a proprietary (up to) 350° Fahrenheit steam to deeply cleanse the coils.

Benefits include:
- Sanitizes the Coils, Blower and interior cabinet
- Removes latent debris from deep within the condenser coils
- Improves air flow and cooling capacity
- Optimizes energy efficiency
- Extends HVAC equipment life
The Issue:

Peter Stroup, PE as Director of Facilities oversees all aspects of maintenance and operations, including energy procurement and use for the school’s Longwood Campus. Mr. Stroup and his team were faced with increasing energy costs, and aging infrastructure including HVAC equipment with air flow issues and resulting IAQ concerns. At this point they turned to Pure Air Control Services through Kjelgaard Engineering, LLC. Harvard and Kjelgaard Engineering had heard of the PURE-Steam Coil Cleaning process as a result of being one of the only green certified coil cleaning processes in the U.S. PURE-Steam Coil Cleaning operates at high temperatures and low pressures to safely disinfect and clean air handler units (AHU).

The Solution:

PURE-Steam Coil Cleaning was initiated through the 4 million square foot Harvard Longwood campus covering 100 large AHU’s during the winter/spring of 2016. All large AHU’s were environmentally cleaned over a 5 month period. Peter Stroup, PE, Director of Facilities presented at the 2017 NFMT Conference on Double Digit Energy Reduction, a Harvard Medical School Case Study. Mr. Stroup's presentation included the PURE-Steam Coil Cleaning work performed for Harvard stating...

“...we saw dramatic results, as much as 30% change in pressure over the coils and that hadn’t been cleaned that well in some time... and very happy with the investment.”

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