



Is Your HVAC System Running Optimally?

If Not, It Can Lead To:

- ✗ High Energy Cost
- ✗ Poor Comfort
- ✗ Reduced Employee Productivity
- ✗ Building Occupant Complaints
- ✗ Indoor Air Quality Problems

Our HVAC Conditions Assessment lets you know precisely how your system is impacting your Indoor Air Quality (IAQ) and your bottom line.

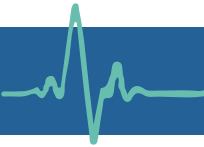
Your HVAC system can become dirty over time, which can decrease its performance and degrade your facility's IAQ to the detriment of the occupants' health.

The HVAC system can be viewed as the cardiovascular and respiratory system of a building, supplying conditioned air to all areas. The air handler is the heart of the system since this is where outdoor air is drawn in, filtered, conditioned and mixed with return air. This "supply" air is then distributed through a network of ducts to and from areas of the building. Basic components include dampers, fans or blowers, heating and cooling coils, air filters, boilers or furnaces, compressors, ductwork to convey the air and diffusers or registers to

distribute the air evenly. A number of controlling mechanisms, including thermostats, sensors and actuators, help control the distribution of air throughout a building. Routine preventive maintenance is the key to avoiding premature wear and tear on components that can lead to repair or early replacement.

Therefore, it is critical to be aware of the system's condition and components, to perform routine cleaning and do minor repairs. This will extend equipment life and allow for

Our HVAC Hygienic Assessment can include:



Visual Site Inspection



We will visually evaluate your HVAC System, paying close attention to the condition of the air handler unit (AHU), evaporator coils, pan, rails, and blower. Our primary interest is to detect signs of allergens. We will also have a look at the ducts for microbial growth, dust, debris or other obstructions.

Environmental & Mechanical Testing



Our team of building scientists can perform tests for differential pressure across the coil, relative humidity, allergens, microbial growth, Legionella and more. Plus, both air and surface samples can be collected from the HVAC system for analysis. We also offer total air handler and system performance evaluations, including electrical usage, fan RPM, cooling output in BTU, chilled water volume usage in GPM, and smoke detector differential testing.

scheduling major repair or replacement at a time when it has less impact on disrupting business.

Over time, "dirt, dust, debris" can lead to the demise of an HVAC system. At a minimum, unwanted contaminants can inflict damage to equipment that leads to premature wear and tear, increased maintenance costs, increased cleaning costs and lower operating efficiency.



Think of us as building practitioners giving your system a check up, diagnosis and prescription for building health.

Environmental Lab Analysis



Samples collected from the AHU are sent to an accredited environmental laboratory for expert analysis. They will identify and quantify any contaminants of concern in the HVAC system. This analysis helps determine the impact it could present on your facility. The data that's provided is integral to creating a scope for corrective action.

Comprehensive Report



You will receive a detailed yet easy to understand report, complete with photos and even a glossary. The report is photo-documented, and even contains a glossary for reference. It will help us, together, come up with a plan to remedy any issues found. The report can also be used to illustrate the gains made through remediation.

HVAC Key Performance Indicators:

- ✓ Air Conveyance System
- ✓ Air Filters
- ✓ Air Handling Equipment
- ✓ Air Velocity
- ✓ Air Volume and Number of Changes
- ✓ Airborne Contaminants as Related to Indoor Air Quality
- ✓ Differential Pressure
- ✓ Electrical Usage
- ✓ Precipitated Particulate / Allergens Load
- ✓ Smoke Detector Differential
- ✓ System Pressure
- ✓ Temperature Differential
- ✓ Thermal Comfort
- ✓ Total Supply Air CFM
- ✓ Ventilation

The HVAC Conditions Assessment evaluates key performance indicators (KPI) that affect both building health and energy efficiency. It's important to know that these KPI are interconnected and work together to maintain overall performance. When one or two of these parameters start to degrade, a chain reaction can occur that affects the others.

This domino effect can then quickly escalate into serious issues that affect the building and its occupants.

Don't let that happen to your facilities. Contact us today to get started with better HVAC hygiene and performance!

**Our main goal is – healthy buildings, healthy people.
Contact us today to get started.**



**Building
Health Check**

**Be sure to ask us about our
Building Health Check!**

This economical IAQ testing service looks at the state of the entire building envelope, including the HVAC equipment and ductwork.



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CONTROL SERVICES

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Part of Tremco Construction Products Group

Tremco Roofing and Building Maintenance, and WTI are part of Tremco Construction Products Group, offering a full range of sophisticated analytical, maintenance and information-based services with one simple goal – to maximize the life of your roof and protect the value of your building.