



## In This Issue

[Legionnaire's Disease and your HVAC System](#)

[The Importance of Healthy IAQ](#)

### DID YOU KNOW?



The U.S. Environmental Protection Agency launched an [IAQ in Schools Mobile App](#) to help school facility managers identify and prioritize IAQ improvements district wide.

### MARKET TRENDS



## 2015 LEED Rankings



View a larger version of this image, [here](#).

The U.S. Green Building Council recently released its ranking of the top 10 countries for Leadership in Energy & Environmental Design (LEED) outside the United States. The 10 countries that made the list for 2015 are geographically and culturally diverse, representing seven of the world's 20 largest single-nation economies as well as six of the top 11 emitters of greenhouse gases. For more

Greetings,

Have you scheduled a seasonal HVAC maintenance for your facility's equipment? The days are getting shorter and temperatures are leveling off, as the first day of fall is next Wednesday. A proactive and preventive maintenance program is essential not only to prevent possible equipment failure, but also to ensure a healthy indoor environment for your facility.

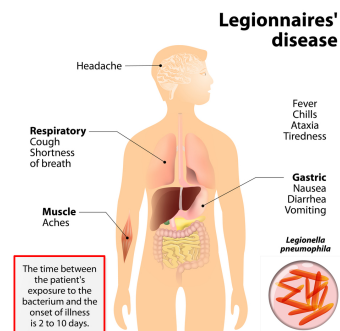
Learn more about important indoor air considerations in this month's educational articles below and don't forget to contact [Air Temp Heating & Air Conditioning, Inc.](#) today to schedule an appointment.

## Legionnaire's Disease and your HVAC

As Legionnaire's Disease has been featured in headlines across the nation, the U.S. Centers for Disease Control and Prevention reports that the number of patients involved in outbreaks is larger than that typically seen. Legionnaire's

Disease, a severe form of pneumonia with a 5 to 30 percent fatality rate, is not transmitted person-to-person but is contracted by inhaling legionella bacteria that lives in water. A common culprit of such outbreaks are HVAC and cooling systems.

A properly operated, well-maintained HVAC system is unlikely to be a source of problems unless water contaminated with the bacteria enters the system and is then released into the air, usually through a humidifier. Cooling towers, evaporative condensers and fluid coolers can be more problematic, as they use a fan to move air through a recirculated water system. This allows a considerable amount of water vapor and sometimes droplets to be introduced into the surroundings, despite the presence of drift eliminators designed to limit droplet release. Water in these systems may be in the ideal temperature range to



information, please [click here](#).

Q & A



**QUESTION:** What sources have been linked to outbreaks of Legionnaire's Disease?

**ANSWER:** Outbreaks have been linked to a number of sources including cooling towers in air conditioning systems, swimming pools, physical therapy equipment, as well as water systems in hotels, hospitals and nursing homes. [Click here](#) to learn more about additional problem areas and prevention methods.

CONTACT US



Air Temp Heating & Air Conditioning, Inc.  
1165 Front Street  
Binghamton, NY 13905  
Phone: 607-772-8362

6820 Ellicott Drive  
East Syracuse, NY 13057  
Phone: 315-432-8591

8181 Seneca Turnpike  
Clinton, NY 13323  
Phone: 315-735-7539  
[www.airtempvac.com](http://www.airtempvac.com)



support legionella bacteria growth, 68 - 122 degrees Fahrenheit.

Professional preventive maintenance of HVAC systems is necessary not only to ensure effective operation but also to inspect water sources for these harmful bacteria and identify other possible airborne threats that may be lurking in HVAC and cooling systems. Schedule preventive maintenance for your HVAC equipment by contacting [Air Temp Heating & Air Conditioning, Inc.](#)

## The Importance of Healthy IAQ

Did you know that indoor air pollution has been listed as a top environmental risk to public health? Studies by the U.S. Environmental Protection Agency have indicated indoor pollutants are 2 to 5 times higher than outdoor pollutant levels. Among the many harmful pollutants that may affect indoor air quality (IAQ) are mold, bacteria, harmful gases from building materials and furnishings, cleaning/maintenance products and especially gases from combustion sources using oil, gas and other fuels.

Poor IAQ can cause headaches, dry eyes, nasal congestion, nausea and fatigue, which may all negatively affect the wellbeing and productivity of employees. Poor IAQ can also have more serious consequences and can cause or contribute to the development of infections, lung cancer and chronic lung diseases such as asthma. Radon, a naturally occurring, radioactive gas that usually enters buildings through openings in their foundations, is a particularly dangerous pollutant and is estimated to be the second leading cause of lung cancer in the U.S.

Scheduling regular, preventative maintenance, testing for dangerous pollutants, and ensuring buildings are well ventilated are all important steps in maintaining a healthy IAQ for employees and other building occupants.

GREEN INITIATIVES

ENERGY SMART

COMFORT ZONES