

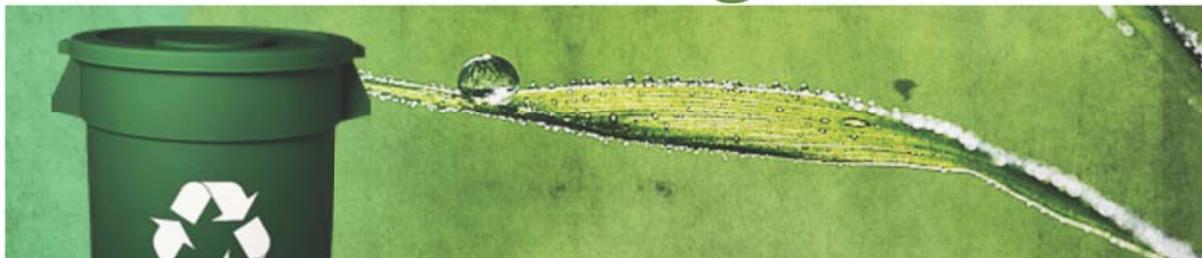
# Tri-News



SPRING  
2016  
EDITION



## Tri-Dim's Allentown Manufacturing is Green



Tri-Dim's Allentown manufacturing facility has recycled over 64 tons of material since 2013 - that equals about 33 truckloads of compacted material not in a landfill!

The majority of the material is corrugated boxes but they also recycled steel, aluminum and stretch wrap. Allentown is not the only facility that is recycling - this is part of Tri-Dim's commitment to our environment and the generations to come.

**AN AMERICAN OWNED AND  
OPERATED COMPANY**

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# In The News ...

## More Than Money: Employees in China Demand Cleaner Office Air

from The HVAC&R Industry - December 31, 2015

BEIJING-Companies in China are finding that it is necessary to spend money to provide better quality indoor air if they want to retain their workforce. Air quality in China is among the worst in the world. The most affected areas include major business and commercial cities Beijing and Shanghai. Multinational companies in China such as J.D. Power and PriceWaterhouse Coopers have begun to install air-filtration systems and real-time pollution monitoring devices to keep a check on indoor pollution levels, which are as notoriously bad as China's outdoor smog levels in its large cities. The measures are being used for employee recruitment and retention, as well as employee health. According to a recent business confidence survey by the European Chamber of Commerce, staff turnover rates are relatively high for multinationals based in China, and air pollution has been cited as the top challenge in luring and retaining talent among such companies. Read more link ...

<http://www.japantimes.co.jp/news/2015/12/25/asia-pacific/money-employees-china-demand-cleaner-office-air/#.VtXMwBhelxV>

## Calendar of IAQ

### Events

April 6-8 - NAFA Technical Seminar - Phoenix/Scottsdale, AZ

April 14-16- NEBB Annual Conference - Albuquerque, NM

May 2-4 - AHRI Spring Meeting - Reston, VA

May 19-21 - AIA Conference 2016 - Philadelphia, PA

June 25-29 ASHRAE Annual Conference - St. Louis, MO

September 12 -14 - ASHRAE IAQ 2016 Conference - Alexandria, VA

September 14-15 - NAFA Annual Convention - Newport Beach, CA

September 20-22 - AHR Mexico - Monterrey, Mexico

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## Indoor Air Pollution Has The Same Effect On Bodily Molecules As Smoking, Study Says

from The HVAC&R Industry - January 14, 2016

BOSTON-People who frequently use smoky bituminous coal for heating and cooking could be at a higher risk of developing lung cancer, a new study has found. Bituminous coal was found to be as harmful as cigarettes, as the two materials could cause same molecular changes that can increase the risk of cancer. The study, published in the journal Carcinogenesis, found that non-smoking women in rural China exposed to the smoke of bituminous coal had gene expression patterns in certain body cells that were also present in active cigarette smokers. In addition, these women who use coal for heating and cooking are among the people with highest lung cancer rates in the world. There are about three billion people worldwide who frequently use coal and biomass, such as charcoal, wood, animal dung and crop waste, for cooking and heating, according to the Boston University School of Medicine (BUSM) and the US National Cancer Institute (NCI). Read more link ... [http://www.eurekalert.org/pub\\_releases/2016-01/bumc-rfs011116.php](http://www.eurekalert.org/pub_releases/2016-01/bumc-rfs011116.php)

# IAQ TIP

## BACK TO BASICS

### Dipole Moment

*From the NAFA Guide to Air Filtration - 2014*

Most Molecules, even when they carry no charge, have a dipole moment. This happens when there is a greater concentration of electrons at one point or end of a molecule than there is at another. This is especially true of large molecules. As a result, when a particle (even though its charge is electrostatically neutral) comes in contact with a fiber, it tends to align itself so that the more negatively charged side of the particle is adjacent to the more positively charged sectors of the fiber. Neither the particle nor the fiber has to be charged for this to occur (Figure 2.10)

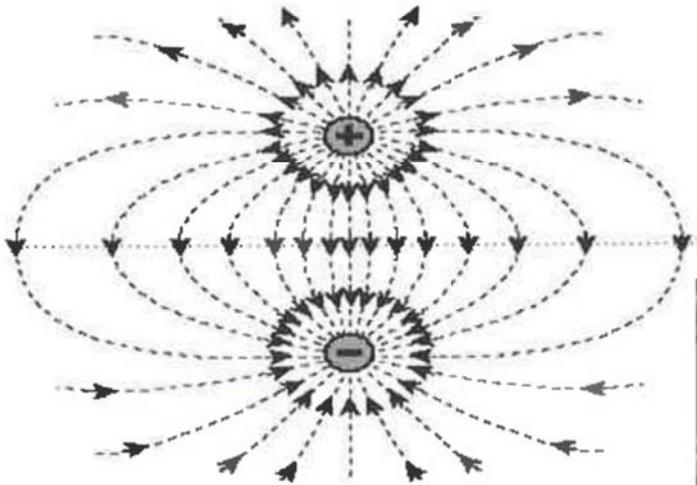
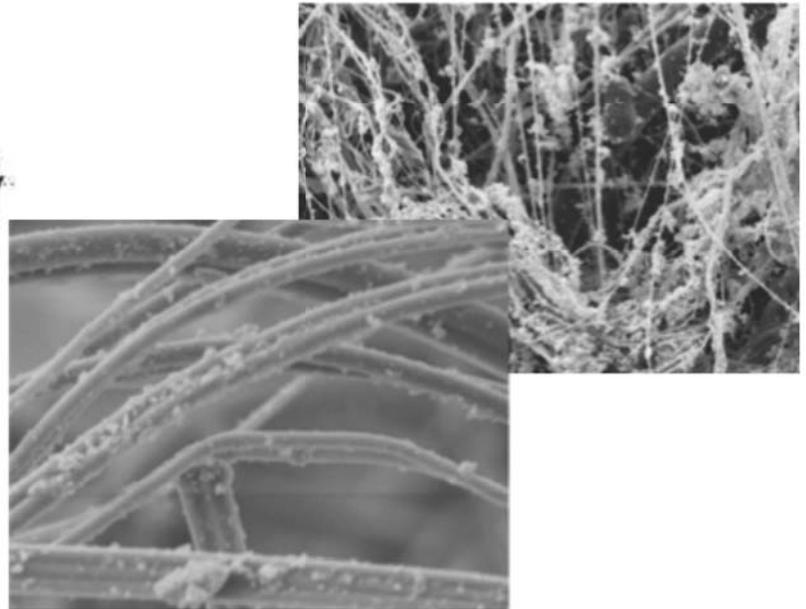


Figure 2.10. Dipole Moment



The above text was taken directly from the *NAFA Guide to Air Filtration - Fifth Edition, 2014*

Please visit [www.nafahq.org](http://www.nafahq.org) to purchase a copy of this guide.

# TRI-NEWS™

SPRING 2016 Issue

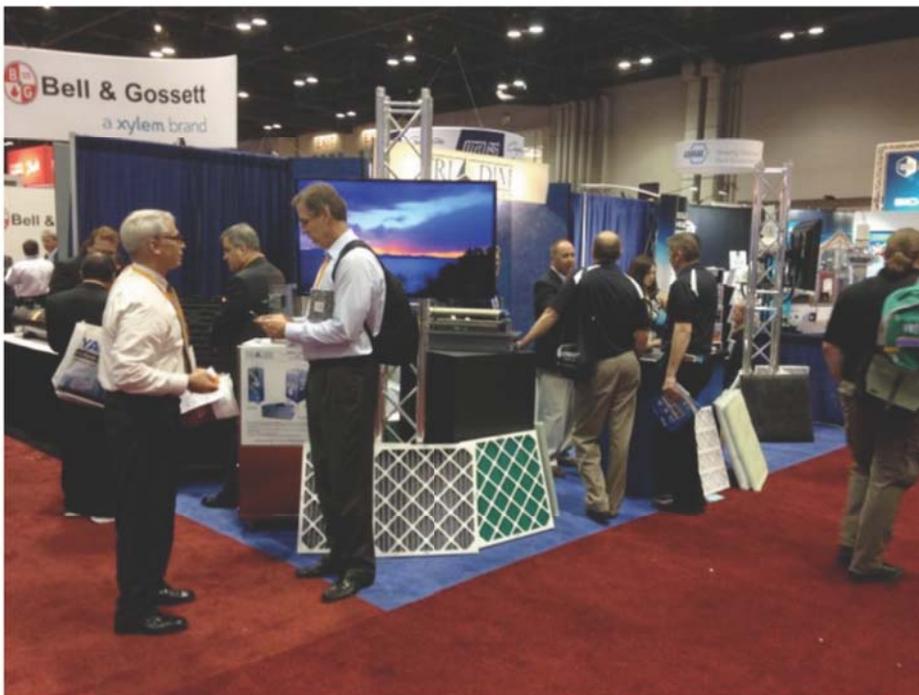
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## AHR EXPO 2016



Thanks for stopping by our booth at the AHR EXPO in Orlando, FL

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For more information on what you read in this issue:

### Tri-Dim's Allentown Manufacturing is Green

Link to the Tri-Dim website <http://www.tridim.com> or contact Duane Colwell 1-800-458-9835 or [info@tridim.com](mailto:info@tridim.com)

### In The News ...

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### IAQ TIP - Back To Basics



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