



Providing  
naturally pure,  
healthier water.

Commercial and Residential Water Treatment Newsletter - October 2018

## **Water and Air Quality Were Featured Topics at the 15<sup>th</sup> Annual World Aquatic Health Conference**

**By: Vance D. Fiegel, Co-Founder and Chief Scientific Officer**

The World Aquatic Health Conference was held in Charleston, SC on October 10-12 and it continues to be the premier science and education conference of the aquatic industry. My presentation on “Surface-bound Organic Contamination, Disinfection Byproducts (DBP) and Swimming Pool Filtration” was just one of many talks about disinfection byproducts in recreational water and the surrounding air. Again this year, there were numerous presentations about disinfection byproducts, water quality and air quality.

A new feature of the conference this year was the addition of two sessions entitled “Elements of WAHC”. The presentations in these sessions were live at the conference and also broadcast to venues in Boston, Colorado Springs, Dallas, Los Angeles, Minneapolis, and Niagara Falls, ON. With the rising importance and understanding of organic load and disinfection byproducts, and their relationship to air and water quality, these sessions included presentations by Dr. Darla Goeres about the importance of biofilm in recreational water and by Dr. Ernest Blatchley discussing the links between water/air quality and chlorine disinfection.

The presence of organic contamination in recreational water directly relates to the production of toxic disinfection byproducts and also directly impacts air and water quality. The best way to reduce the production of disinfection byproducts is to reduce the organic load within the pool. It is the reaction of chlorine with the organics within the pool that are the source of the disinfection byproducts. Using The Moss™ can significantly reduce the organic contamination in swimming pools and spas leading to improved water and air quality.

# Reduction of DBP in the Air of PoolMoss® Pro Treated Pools

## Trihalomethane (THM) Levels in the Air Reduced by 55%

Before Treatment: 0.15 (+/- 0.020 mg/m<sup>3</sup>)

After PoolMoss® Pro: 0.067 (+/- 0.008 mg/m<sup>3</sup>)

## Trichloramine (TCA) Levels in the Air Reduced by 60%

Before Treatment: 0.482 mg/m<sup>3</sup>

After PoolMoss® Pro: 0.192 mg/m<sup>3</sup>

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The use of PoolMoss® Pro reduces the organic load of treated pools, lowering the chlorine demand, and thereby significantly reducing disinfection byproduct levels in the water of the pool and in the air of the facility. As you consider the importance of all of the benefits of using The Moss™ in swimming pools and spas, don't neglect the aesthetic and health benefits of improved water and air quality.



Southwest Pool and Spa Show in San Antonio, TX - Jan. 22-26, 2019

Vance Fiegel and Charity Whitman attending - Vance Fiegel presenting "Surface-bound Organic Contamination, Disinfection Byproducts (DBP) and Swimming Pool Filtration" on Saturday, Jan. 26th at 10:15am in Room 210A

United Aqua Group in Orlando, FL - Feb. 18-22, 2019

Vance Fiegel and Charity Whitman attending - Vance Fiegel and Charity Whitman presenting "Using Moss in Commercial Pools" on Thursday, Feb. 21st at 1:15pm.

Everything Under the Sun in Orlando, FL - Feb. 21-23, 2019

Vance Fiegel and Charity Whitman attending - Vance Fiegel presenting "The Relationship Between Organic Load and Disinfection Byproducts" on Friday, Feb. 22nd at 10:00am. Charity Whitman presenting a Learning Lab on "How to Provide Your Customers with a Natural Water Treatment Solution" on Friday, Feb. 22nd at 1:30pm.