

# INDA's e-Filter Newsletter

The Filtration Industry's Information Hub

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**Welcome to e-FILTER**, sponsored by INDA, Association of the Nonwoven Fabrics Industry ([www.inda.org](http://www.inda.org)). It is sent every other month to executives within the global filtration business and focuses on the latest news, new products, patents, legislative issues and commentary in the filtration industry. Check out the information at the end of this newsletter on how to subscribe or submit your company's information for inclusion.

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### **FILTRATION 2007 A HIT IN CHICAGO**

Filtration 2007 International Conference & Exposition – the world's largest filtration event – attracted industry professionals to Chicago's Navy Pier in mid-November for a three-day Conference and trade show.

Held November 13-15 in the Windy City, more than 100 exhibitors from all links in the filter supply chain attended Filtration 2007 to showcase the latest products, technologies and end products for filtration. Meanwhile, an extensive three-day Conference Program covered diverse aspects of filtration technology, new products and research.

INDA, Association of the Nonwoven Fabrics Industry, the organizer of the annual event, reports that close to 1600 attendees from 30 countries attended Filtration 2007 to network, attend the Conference and walk the aisles of the Navy Pier exhibition hall.

A highlight of Filtration 2007 was the annual Best Booth Competition, which recognized the best booths in both the Large and Small Booth categories. The winners were:

First Place, Large Booth: Johns Manville

Second Place, Large Booth: Finetex

First Place, Small Booth: Ticona

Second place, Small Booth: Purification Products

Filtration 2008 is scheduled for December 9-11 at the Pennsylvania Convention Center in Philadelphia. For more information: [www.inda.org](http://www.inda.org).

### **INDUSTRY NEWS**

#### **PALL TO PRESENT AT JP MORGAN SEMINAR**

Pall Corporation is scheduled to present at the 2008 JP Morgan Healthcare Conference in San Francisco, on January 9, 2008. Representing the Company will be Eric Krasnoff, Chairman and CEO; and Lisa McDermott, CFO.

A webcast of the live presentation can be accessed through the Company's website — <http://www.pall.com/irevents>. A replay will be archived and available after the conference for 30 days.

#### **DOD APPROPRIATIONS ACT PROVIDES \$2 MILLION FOR NEW FILTER**

Nephros, Inc. announced recently that the 2008 U.S. Department of Defense Appropriations Act has provided an additional \$2 million to continue the development of the company's dual stage ultra reliable personal water filtration system. The appropriation is part of H.R. 3222, signed into law by President Bush on November 13, 2007.

Nephros has contracted with the Office of Naval Research to develop an advanced water purification system for military use. The company's proprietary

dual stage cold sterilization ultrafilter ("DSU") will form the basis of the portable system. This year's appropriation is in addition to the \$1 million appropriation that Nephros announced on October 6, 2006.

"Access to a safe water supply is critical to soldiers in the field, but there are significant obstacles to providing potable, palatable water in the wide range of environments in which soldiers operate," stated Norman Barta, CEO of Nephros. "This new appropriation will further Nephros' efforts to bring our proprietary dual stage filtration technology on-line for our troops in the form of a portable, durable and verifiable water filtration system."

#### **PEERLESS AWARDED TWO AIR POLLUTION CONTRACTS**

Peerless Mfg. has been awarded a contract valued at approximately \$2 million for the design and supply of Selective Catalytic Reduction (SCR) Systems for a multi-unit combined cycle power plant in New York. The SCR Systems will provide the customer with the flexibility to utilize both natural gas and low sulfur fuel oil to power the plant while always maintaining the strictest of emissions control. Design began immediately upon the letter of award and delivery of the system to the customer is expected within 12 months.

Additionally, the Company's Environmental Systems business unit received a contract in excess of \$2 million for the design and supply of two SCR Systems that will be utilized by a world class manufacturer of fired heaters to support their expansion of a large mid-west refinery. The engineering and manufacturing of the SCR System is expected to be completed by the end of calendar year 2008.

#### **CUMMINS PRESIDENT TO RETIRE IN MARCH**

Rick Mills, president of the Components Group of Cummins, Inc., will retire effective at the end of March 2008 after more than 36 years with the company. Rich Freeland, president of the Distribution Business, will assume Mills' role as leader of the Components Group, while Pamela Carter, president of Cummins Filtration, a business within the Components Group, will become head of the Distribution Business. Carter's successor will be named in the near future.

Mills, 60, served in a variety of financial roles before being named VP&GM of Atlas Inc., a former Cummins business that manufactured crankshafts, in 1988. He became president of Atlas in 1990 and was in that role for three years. He served as VP of the Pacific Rim and Latin America operations for Cummins Filtration (formerly Fleetguard Inc.) before being named corporate controller in 1996.

Mills was appointed head of the Filtration Business from 2000 to 2005, when he was tapped to lead the Components Group, which includes Cummins filtration, turbocharger, emission solutions and fuel systems businesses.

### **PUREEZ UNVEILS COUNTERTOP PURIFICATION SYSTEM**

Pureez, a manufacturer and supplier of filtration products, is releasing a high-tech countertop water purifier that allows consumers to drink purified water at the temperature and amount they choose — from the convenience of their kitchen countertops.

As the Natural Resources Defense Council continues to speculate about the safety of bottled water products and the effects they have on the environment, Pureez breaks into the industry with an artistic filtration unit that uses ultraviolet rays to kill microbes in tap water. Pureez filters tap water through a "point of use" system with a double-active carbon filter and 0.6 micron filter. It eliminates the need to lug heavy bottles and is the only countertop bottle-less tap water purifier that can produce water at a variety of temperatures - from ice-cold to boiling.

Pureez is available in six eye-catching colors. According to the company, feedback from mothers has shown that Pureez provides a fast and health-conscious option for on-demand boiled water to mix into infant cereal and prepare other infant foods. Furthermore, the "mix" button gives mothers control over finding the proper water temperature for infant formula.

### **AWWA SEMINARS TO ADDRESS MEMBRANE TECHNOLOGIES**

Water professionals will learn about the latest innovations and uses of membrane technology in water treatment during two American Water Works Association (AWWA) seminars January 28-31, 2008, in Fort Lauderdale, FL.

"Micro- and Ultra-filtration Membrane Technologies" begins the seminar series January 28-29. Paul Mueller, senior process engineer, and Robert Huehmer, senior technologist, at CH2M HILL will impart the fundamentals of low-pressure membrane practices. Attendees will consider how membrane use can help meet new regulations. They will also tackle design and construction issues, costs of installation and a startup sequence.

The second seminar, January 30-31, will cover "Reverse Osmosis and Nanofiltration." Scott Freeman, membrane & technology leader at Black & Veatch Corporation and Tom Pankratz, VP of CH2M HILL, will walk attendees through preliminary considerations, design, construction, cost and a startup sequence for high-pressure membrane practices. Specific applications addressed will include: desalination, softening, color removal, disinfection by-product precursors, pesticides and specific parameters.

For more information and registration:

<http://www.awwa.org/education/seminars/membrane>.

### **GEO 2 TECHNOLOGIES CERTIFIED IN VERT-FILTER TEST**

GEO 2 Technologies, a developer of multifunctional filters for next-generation clean diesel solutions, recently announced that its patented diesel particulate filters (DPF) have passed Phase One of the VERT-Filter-Test (VFT-1). VFT-1

certification is regarded as the industry standard for measuring the efficiency and performance of DPFs in commercial retrofit emission systems.

In order to pass Phase One, a filter must meet stringent criteria for quality control, functionality, filtration efficiency and gaseous emissions monitoring. The VERT tests measured the GEO 2 filter capturing 99.95% of the dangerous diesel soot.

The VERT Project, headquartered in Switzerland, is one of the world's leading certifications for diesel particulate filtering. Conducted by the Swiss clean air authority (BAFU) and the occupational health authorities of Switzerland, Austria and Germany, the VERT assessment is a series of rigorous tests designed to qualify the efficiency of particulate trap systems.

### **INVESTING IN TECHNICAL BUSINESSES**

(From *Nonwovens Industry*) The Fibertex Group, Aalborg, Denmark, is upgrading its Technical Divisions' production facilities in Denmark and the Czech Republic with two new production lines, representing a reported €18 million investment. The company has announced it will add a new airlaid line in the Czech Republic and a needlepunch line in Aalborg. The two lines, which will be operational in mid-2008, will allow Fibertex to increase its role in technical markets by targeting important segments such as automotives with the new airlaid line the Czech Republic.

In 2006, Fibertex's technical division increased its sales 9% to reach \$90 million. In recent years, this segment of the business has benefited from the acquisition of Czech technical nonwovens maker Vigona in 2004 as well as subsequent improvements to this operation. Fibertex executives have indicated that its presence near many Tier One automotive suppliers in the Eastern Block countries have improved the company's position in the automotive market. Other markets served by Fibertex's technical division include furniture and bedding, filtration and geotextiles.

### **PURADYN GEARS UP TECHNOLOGY FOR NEW APPLICATIONS**

Puradyn Filter Technologies has disclosed advances it has made in a growing number of domestic and international markets offering the puraDYN oil filtration system to dramatically reduce oil usage as oil prices are becoming a major concern in many parts of the world.

In Australia, Tenix of Brisbane reported it has been using the puraDYN system on Pacific Class Patrol Boats for several years. Each boat, which is run by individual nations under the guidance of Advisors from the Australian Navy, has reported significant savings in oil usage and related costs as oil maintenance schedules have been dramatically and safely extended. The extended maintenance interval has helped to improve the fleet's availability as well.

Puradyn also reported that as a direct result of the previously publicized three-year evaluation (2002-2005) conducted by the U.S. Department of Energy (DOE), the puraDYN system was selected to be installed on specially-modified Gradall excavators used by the Idaho National Laboratory (INL). The excavators, powered by Cummins diesel engines, are utilized in a 40-acre restrictive area contaminated with radioactive waste making normal maintenance procedures hazardous and unwieldy. By using the puraDYN® system on both the engines and the excavator's hydraulic system, the operating crew does not foresee having to change oil throughout the seven-year duration of the project.

### **FAMILY OF 10 WINS HOME MAKEOVER**

Finally this issue comes this heart-warming (and cooling) news item from Florida.

With eight kids, two adults and numerous pets, the Hernandez family of Dade City, FL, is a constant whirlwind of activity — but their heating and air conditioning system is stretched to the limit with all the dirt, dust and dander that a big family stirs up. Now, this family will be breathing easier, as America has voted them winners of American Standard Heating & Air Conditioning's My Comfy Home Coloring Contest with a home comfort makeover valued at \$15,000. Seven runner-up families also will receive prizes.

The contest invited parents or caregivers to submit an essay on why they wanted to make their home more comfortable, and also asked children to draw a picture of their home. America then voted online for the family most deserving of a home comfort makeover. More than 6000 votes were tallied, and the Hernandez family was declared the winner.

Twelve-year-old Grace Hernandez submitted the family's entry and wrote, "Because we live out in the country, surrounded by grass and oak trees, the pollen coming into our home aggravates my mom's and sister's bad allergies. And our HVAC system, at 25 years old, is taking its last breath. A new American Standard system will make our home cleaner, healthier and comfier for my family ... and my mom would be very happy with me!" It was accompanied by eight-year-old Clare Hernandez's drawing of the family inside their home, along with one of their many pets.

For their efforts, the Hernandez family will receive a complete home comfort system featuring the American Standard AccuClean whole-home air filtration system, which will be installed by American Standard Heating & Air Conditioning independent dealer Chris' A/C Company of Dade City, Fla., with support from authorized distributor Gulf Refrigeration. The grand prize package also includes a half-day in-home consulting session with home comfort expert and author Hannah Keeley; a signed copy of Keeley's new book, Hannah Keeley's Total Mom Makeover; and a Comfy Pajama Jam party for the kids including \$250 cash and eight American Standard goody bags.

The seven runner-up families will each receive a free, in-home assessment of their heating and air conditioning systems; a \$1000 discount on a new

American Standard comfort system; a signed copy of Hannah Keeley's Total Mom Makeover; and a goody pack for the kids.

The contest was designed to help families make their homes cleaner and more comfortable without all the trouble and time. Part of the solution is the American Standard AccuClean whole-home air filtration system, which removes up to 99.98 percent of the dirt, dust, pet dander and pollen from the filtered air inside a home.

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**THAT'S ALL, FOR THIS MONTH...**

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