

The toll-free number for **Superior Manufacturing Corporation** was inadvertently mistyped in the June issue. The correct number is (800) 348-0999. ♦

Woongjin Chemical America Inc. has been renamed **TCK Membrane America Inc.** as part of a recent acquisition of parent company Woongjin Chemical Co., Ltd. by Toray Advanced Materials Korea (TAK). This reflects a strategic effort to maximize synergies and enhance market penetration in various business sectors pursued by the parent company and TAK. ♦

## North America Puronic acquisition announced

Puronic, Incorporated recently acquired two business lines from Bestech, Inc., including Bestech's X-462 1.05-percent silver carbon media business and the Bestech Next Generation Water Conditioner business. These products will now be available exclusively from Puronic. By integrating these businesses into the Puronic existing bacteriostatic water conditioner and carbon product lines, Puronic continues to demonstrate its commitment to innovate around its industry-leading bacteriostatic Silver-Shield® technology.

## Calgon news

Calgon Carbon Corporation announced it will move its world headquarters to the newly constructed Westpointe Corporate Center Four in Moon Township, PA, creating a new center for technology and innovation. The company will lease 75,566 square feet of the 130,000-sq.-ft. building. The new headquarters will house approximately 200 people, and is centrally and conveniently located to hotels and the Pittsburgh International Airport. It will house the company's executive staff, sales, service and research and development laboratory—the Innova-

tion Center. The company plans to complete the move to the new facility in early 2015. Calgon also announced the opening of its North Tonawanda, NY, plant. The facility will recycle or reactivate granular activated carbon (GAC). The refurbished facility houses a dry-feed system, screening tower, reactivation furnace, storage tanks and packaging system.

## ACE 14 highlights

Former New York Mayor Rudy Giuliani opened the American Water Works Association's Annual Conference and Exposition (ACE14) with a keynote address stressing the importance of tackling North America's looming water infrastructure crisis. Giuliani urged water utility leaders and public officials to be courageous in communicating the need to reinvest in water infrastructure, acknowledging that "sometimes it's a message they don't want to hear, because it's a message that says you're going to have to spend money." In his Opening General Session address, AWWA President Jim Chaffee announced an AWWA plan to open an office in India. He also said the association will respond to member knowledge and training needs in the areas of water reuse, stormwater and wastewater. In the 10th Best of the Best Tap Water Taste Test, Boston Water and Sewer Commission took first place honors, followed by Massachusetts Water Resources Authority in second place. Third place was given to the city of Kalama, WA, which also garnered The People's Choice award, as determined by the conference attendees.

## ISM expansion announced

Industrial Specialties Mfg. (ISM) has expanded its custom-fitting and tubing-assembly operations, including expansion of both facilities and production personnel. The company uses 3D CAD drawings to create custom fittings and tubing assemblies for customers. ISM is equipped to fulfill customized requests, whether the customer requires 100 assemblies for

a prototype or a few thousand assemblies per month for a device manufacturer. Certified to the *ISO 9001:2008* standard, all custom projects are governed by strict quality-control processes.

## AC market projections issued

World demand for activated carbon is projected to rise 8.1 percent per year to 2.1 million metric tons in 2018, according to *World Activated Carbon*, a new study from The Freedonia Group, Inc. Tightening regulatory standards, particularly in the US and China, will drive growth. In the US and other industrialized countries, these stricter standards will reflect increasing emphasis on mercury removal; in contrast, in China and other developing countries, stronger standards and stepped-up enforcement will stem from efforts to battle air and water pollution caused by rapid industrialization. Robust growth in mercury-removal applications will drive growth in powdered activated carbon demand, which will significantly outpace gains in demand for granular and other activated carbon products. Powdered activated carbons are also favored in developing countries for their low cost and ease of use in other applications, such as water treatment.

## AWWA, Imagine H2O agreements announced

The American Water Works Association and Imagine H2O have announced a memorandum of understanding to cultivate entrepreneurship and innovation in the water sector by providing entrepreneurs with opportunities, tools and resources to build great water businesses. Imagine H2O also recently launched its Infrastructure Challenge. The Challenge—Imagine H2O's sixth annual Business Innovations Program—will identify and support innovative water businesses presenting scalable solutions that improve water and wastewater infrastructure in a manner resulting in quantifiable cost savings or environmental impact.

### WC&P Glossary of Terms

ANSI	American National Standards Institute	gpd	gallons per day	POU	point of use
ASPE	American Society of Plumbing Engineers	gpm	gallons per minute	PVC	polyvinylchloride
CDC	Centers for Disease Control and Prevention	IAMPO	International Association of Plumbing and Mechanical Officials	RO	reverse osmosis
CI	Certified Installer	MF	microfiltration	TOC	total organic carbon
CIP	clean in place	NOM	natural organic matter	THM	trihalomethane
CWS	Certified Water Specialist	NGWA	National Ground Water Association	TDS	total dissolved solids
DI	deionization	NSF	National Sanitation Foundation	UF	ultrafiltration
DBP	disinfection byproduct	OEM	original equipment manufacturer	US EPA	US Environmental Protection Agency
EDI	electrodeionization	ORP	oxidation-reduction potential	UV	ultraviolet
FDA	US Food and Drug Administration	PE	Professional Engineer	VFD	variable frequency drive
FRP	fiberglass reinforced plastic	PLC	programmable logic controller	VOC	volatile organic compounds
GAC	granulated activated carbon	POE	point of entry	WQA	Water Quality Association
				WRF	Water Research Foundation

## **WEFTEC event recognized for fast growth, notable achievement**

The Water Environment Federation (WEF) announced that WEFTEC has been recognized as one of the nation's fastest-growing trade shows by *Trade Show Executive (TSE)*, a top publication in the meetings industry. WEFTEC 2013 was part of an elite group of 90 US trade shows that were named in this year's TSE Fastest 50, specifically ranking 14th in the attendance growth category. The select group was honored in May at the Trade Show Executive Fastest 50 Awards and Summit, where WEFTEC was also presented as one of 12 featured case studies for best practices and notable achievement.

## **Crane Water acquired by newterra**

Privately held Canadian company newterra, designer and manufacturer of modular water treatment systems, has acquired the business of Crane Water from diversified industrial manufacturer, Crane Co. The acquisition adds the US-based maker of water treatment equipment to newterra's sales, engineering and manufacturing facilities in Canada, the US and Europe. The move brings its employee count to almost 250 people worldwide. While the name Crane Water will disappear with the company becoming an operating unit of newterra, the trusted Cochrane and Chicago Heater brands will carry on. The acquired business has sales and engineering offices in Trooper, PA and in Venice, FL, where it also manufactures RO filtration systems. These locations will continue operations under newterra.

## **NGWRF lectures announced**

Dr. Rainer H. Helmig will offer two lectures in the 2015 Henry Darcy Distinguished Lecture Series in Groundwater Science, the National Ground Water and Research Educational Foundation announced. Helmig is head of the Department of Hydromechanics and Modelling of Hydrosystems at the Institute for Modelling Hydraulic and Environmental Systems, University of Stuttgart, Germany. The first of his two lectures, *Evaluating the Competitive Use of the Subsurface: The Influence of Energy Storage and Production in Groundwater*, will provide insight into

how advanced numerical models may be used to analyze and predict the mutual influence of subsurface projects and their impact on groundwater reservoirs and the increasing need to do so. The second lecture, *Modeling and Analysis of Soil-Moisture Processes in the Subsurface: The Influence of Evaporation and Salt Precipitation in Groundwater*, will explore how soil-moisture processes in the subsurface play a crucial role in the hydrological cycle and the groundwater budget.

## **Annual McKeough golf tournament results**

McKeough Supply held its 16th Annual Charity Golf Tournament in memory of friend and colleague Bill Porteous on June 5 at Burford Golf Links. The tournament was a tremendous success with \$30,000 (CDN) being raised in support of Camp Trillium/Rainbow Lake. This



donation will enable 37 families affected by childhood cancer to spend a week at camp, having fun being kids. McKeough thanked its employees, customers and vendors for their ongoing support of this annual event.

## **Europe GE technology deployed throughout Europe**

GE announced that the Swedish company WIBAX Energy AB will distribute GE's water technologies in the northern European region. The distribution agreement, which started on May 1, combines WIBAX's local expertise and GE's advanced technologies to create greater access to innovative water and process solutions. The distribution agreement will cover Denmark, Sweden, Norway and Finland. Sociedade Central de Cervejas e Bebidas (SCC), a brewery near Lisbon, Portugal, has significantly reduced water usage by improving op-

erating performance and reliability with help from GE's advanced membranes and water chemical technology. The site reused wastewater in its cooling towers, which enabled it to reduce its yearly water discharge by 72 million liters (19 million gallons) and reduce its annual fresh water consumption by the same amount. GE has awarded SCC an ecomagination award to recognize the company for its noteworthy reductions in fresh water consumption and wastewater discharge.

## **Asia IAPMO research facility for Australia**

The International Association of Plumbing and Mechanical Officials (IAPMO®) and the Plumbing Industry Climate Action Centre (PICAC) have announced a partnership that supports PICAC facility expansion through the establishment of The IAPMO Centre for Research Development, a world-class research and development center in Melbourne, Australia. IAPMO and PICAC have worked in parallel toward advancement of the plumbing industry for years and this partnership consolidates many of those efforts, giving both organizations access to world-class resources and professional expertise.

## **Desal agreements announced**

memsys Clearwater Pte. Ltd. and PT. Dwiputra Sumber Sukkses (DSS) have entered into a license agreement to pursue seawater desalination for remote islands and communities, and brine concentration for targeted industrial applications in Indonesia, utilizing memsys' membrane distillation (MD) technology. The first unit, with a capacity of 100 cubic meters per day (m<sup>3</sup>/d) will be built in 2014. memsys has also entered into a memorandum of understanding (MOU) with PT. Meranti Tirta Investasi (MTI), a wholly owned subsidiary of DSS, to jointly build a membrane distillation seawater desalination plant at Selatpanjang, Meranti Islands, Riau Province. MTI was established to build a desalination plant to supply clean, potable water to the city of Selatpanjang. The first phase of its RO system has been brought online and is currently the only facility capable of providing clean, potable water in the area. MTI is working with memsys to provide the second-phase expansion of seawater desalination using membrane

distillation technology to increase the production capacity and produce distilled drinking water for Selatpanjang and its surrounding areas.

## ***GE technology to be used in Thailand***

GE's advanced water treatment technology will help purify water at IRPC Public Company Limited's new combined heat and power (CHP) plant in Rayong, Thailand. GE ultrafiltration membranes, RO and EDI technologies will be used to make high-quality demineralized water for boiler feed water and to reduce the use of chemicals. GE will provide the

technology to Toyo Thai Company Limited, which is the engineering, procurement and construction contractor on the project. CHP II, once completed, will have a capacity to treat 315 m<sup>3</sup>/hour of water, which will be the largest capacity of ultrafiltration, RO and EDI in Thailand. The facility is expected to begin commercial operation in October.

## ***Aquatech India***

Aquatech India celebrated its 5th edition while Aquatech Global Events marked 50 years of water industry events. From May 6 to 8, exhibitors and visitors came together in New Delhi for the annual

exhibition and conference, combined with the Industrial Leaders Forum. The event attracted over 6,500 visitors and 135 exhibitors from 60 countries and more than 100 conference delegates, including delegations from Israel, Korea and China. A unique mix of municipal as well as industrial water professionals were present and learned about the latest innovations in their field of expertise. The majority of visitors were from decision-making units of their organizations, resulting in valuable business conversations on the show floor.