



For Immediate Release

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NEW EPA-APPROVED BIOCIDES TO BE INTRODUCED AT AMERICAN ELECTRIC POWER BOILER RELIABILITY OPTIMIZATION FORUM

Washington, DC. – August 7, 2015 – American Electric Power, like many leading US utility systems, is aggressively seeking new ways to improve their performance and meet the rising expectations of stakeholders. The 2015 AEP BRO Forum August 10 – 13, 2015 at the Greater Columbus Convention Center in Columbus, Ohio is just one of many activities supporting innovation. At this year's Forum, **Mixel USA, LLC** will introduce its ground-breaking cooling water technology that recently achieved a rare new EPA registration as an antimicrobial biocide for power plant cooling water uses. **Mixel 432/0** is a single filming amine emulsion dosed briefly each day to prevent all major types of fouling in water circuits – macrofouling (including mussels), microfouling (including biofilm), corrosion, scaling and sedimentation. The benefits of the treatment accrue in terms of operating reliability, longer equipment life, maintained cleanliness, and increased plant availability in peak periods. The technology can eliminate the use of multiple chemicals and improve plant efficiency by up to 1%. The DC Cook Nuclear Plant in Michigan has done extensive testing of the product and confirmed its operational and environmental performance.

Mixel 432/0 is a highly concentrated liquid typically dosed into the cooling water for 30 minutes daily using a simple pump and control system. The design reduces the footprint needed for treatment equipment and storage as well as reducing transportation and handling requirements. The product does not burn, explode or volatilize and cannot be weaponized, thereby improving worker and public safety, and reducing regulatory reporting requirements. In use at plants around the world for nearly two decades, it is now broadly available in the US.

From an environmental perspective, extensive laboratory and WET testing has demonstrated that Mixel 432/0 exceeds the safety of traditional treatments. Mixel 432/0 is also effective in controlling metal discharges associated with corrosion, does not require any detoxification before discharge as with chlorine and other chemicals, and does not form any dangerous byproducts.



Mixel USA, LLC

Mixel USA, LLC, is the exclusive importer and supplier of Mixel® filming amine emulsion water treatments to the U.S. Mixel USA offers products manufactured by Mixel Industries SAS, France, as well as design, installation, and/or operation of the water-treatment systems. These emulsions are based on extensive research and development and produced from organic substances to be safe for the environment. Mixel 432/0 is a registered biocide with the U.S. Environmental Protection Agency. Mixel products have been used in US applications since 2007 and world-wide for two decades. Successful applications range from commercial and institutional building cooling towers to large power and industrial plants in once-through cooling and cooling tower systems. For more information on Mixel please visit <http://www.mixelusa.com>.

AEP BRO Forum 2015

BRO Forum is an invitation-only annual event that brings together AEP employees, utility company guests and the top industry suppliers to network and learn about Boiler and Plant Reliability Optimization (BRO) through technology and processes. For more information please visit www.aep.com and visit Mixel USA exhibiting at Booth 118.