AREVA’s Innovative Solution Selected for Life Extension at U.S. Nuclear Power Plants

CHARLOTTE, N.C., February 9, 2015 – AREVA and Exelon signed a contract to implement a new component asset management process to significantly extend the life of nuclear reactor components. This process, known as cavitation peening, will be performed for the first time in the world on the reactor vessel closure heads of Exelon’s Byron and Braidwood nuclear power plants, both located in Illinois.

Cavitation peening uses ultra-high-pressure water jets to work the surface of components in order to improve material properties and to enhance resistance to corrosion. Used preventatively, this process removes many causes of aging. It can be applied to components of both boiling water and pressurized water reactors.

“Developed as part of AREVA’s Forward Alliance program, this technology offers utilities an economical and innovative solution to reinforce the safety of nuclear components and to extend the lifetime of their operations,” said Gary Mignogna, president and CEO of AREVA Inc.

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AREVA provides its customers with solutions for low-carbon power generation in North America and all over the world. As the leader in nuclear energy and a significant, growing player in the renewable energies sector, AREVA combines U.S. and Canadian leadership, access to worldwide expertise and a proven track record of performance. Sustainable development is a core component of AREVA’s strategy. Its nearly 5,000 U.S. and Canadian employees work every day to make AREVA a responsible industrial player helping to supply ever cleaner, safer and more economical energy to the greatest number of people. AREVA Inc. is headquartered in Charlotte, N.C. Visit us at http://us.areva.com or follow us at Twitter: AREVAus.