

Review of AREVA's Facilities and Modeling Capabilities

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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. 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 Canada Inc. serves as the liaison between all AREVA entities in Canada (AREVA Resources Canada, AREVA Canada Inc., AREVA NP Canada Ltd., and Canberra) that provide a wide range of services and engineering (including large R&D programs) for uranium mining, Canadian nuclear reactors, licensing of Generation 3 reactors (such as ATMEA) and manufacturing of radiation detection equipment. AREVA supplies nuclear fuel for both Boiling Water and Pressurized Water reactors in five continents. To support its position as a leading nuclear fuel supplier, AREVA maintains a robust R&D program developing new products, materials and computer models aimed at improving performance and safety. Many specialized testing facilities and laboratories are operated by AREVA to support its product development efforts. In addition, AREVA cultivates close relationships with major universities, institutes and national laboratories to enable it to apply state-of-the-art advancements to its product development activities. During its on-site visit, AREVA will provide an overview of its worldwide nuclear operations, its global fuel business, a detailed description of its testing facilities and laboratories related to nuclear fuel and descriptions of two key projects related to fluid-structure interaction. AREVA is resolutely committed to the development of CO₂-free energy production. It is a matter of responsibility to the planet's essential requirements in terms of reducing greenhouse gas emissions while providing energy to the largest number of people.

Biography: Dennis has more than 30 year experience in the nuclear industry. He received his B.Sc. in Mechanical Engineering from the Pennsylvania State University in 1982 and his Masters in Eng. Administration from the George Washington University in 1987. His first position was in manufacturing nuclear fuel and control and structural components for the U.S. Navy at the Babcock & Wilcox Naval Nuclear Fuel Division. His next position was in product management and strategy involving engineering management of components for PWR and BWR nuclear fuel designs. Currently, he is the AREVA Front End Business Group Worldwide Department Manager of Mechanics and he is responsible for nuclear fuel product engineering and mechanical design worldwide. In addition, Dennis is also the Global Manager of Mechanical Codes & Methods and is responsible for the R&D of mechanical models and methods predicting in-core behavior of nuclear fuel assemblies in normal operations and accident conditions.

DATE: Monday, November 17, 2014

TIME: 2:00-3:00 p.m.

LOCATION: MC-603 XXXX