

## **Development of Educational Infrastructure in the Area of Nuclear Safety: Fission Product Transport and the Source Terms for LWRs and Advanced Reactors**

### **Executive Summary**

The project objective is to develop an innovative and sustainable educational infrastructure in the area of nuclear safety—Fission Product Transport and Source Terms—at the University of Missouri-Columbia, supportive of nuclear licensing and public needs both during and beyond the NRC funding period. Present practitioners in the field and the new generation of nuclear engineers need, first, a full understanding of the present state of the art and the issues involved, and second, the preparation and ability to address the challenges posed with respect to safety of the new designs and the associated licensing issues. Education in this area and availability of an educated engineering pool that can address the challenges is crucial given the time frames for licensing and good risk-informed regulatory decisions.

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