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## Kansas State University Research Reactor Primary Tank Refurbish

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**Collaborators:** *N/A*

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Scientific Infrastructure Support  
for Consolidated Innovative  
Nuclear Research – University  
Research Reactor Upgrades

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### **ABSTRACT:**

The Kansas State University Research Reactor (KSURR) is a TRIGA type reactor licensed to operate at up to 1.25 MW. The facility supports academic and education programs, research, industrial service, and outreach activities. Experimental capabilities include neutron beams with differing neutron spectra, neutron radiography and tomography, gamma irradiation, isotope production, and neutron activation analysis. An operational goal of the facility is to increase reliability and capacity. Towards this goal, the objective of this project is to refurbish the primary tank at the KSURR. The original aluminum liner will be renovated by applying a robust spray-on coating. Outcomes of the upgrade will be the mitigation of major maintenance issues and increased safety of the reactor leading to increased reliability. With the primary tank refurbished, restoration of other experimental facilities may be accomplished resulting in increased capabilities and capacity to perform research and support nuclear science and engineering programs.