U.S. Nuclear Regulatory Commission



U.S. Nuclear Regulatory Commission Perspectives: Remediation Challenges Over the Next Decade

Session 2: Advancing New Remediation Technologies

Patricia K. Holahan, Ph.D., Director

Division of Decommissioning, Uranium Recovery & Waste Programs Office of Nuclear Material Safety and Safeguards U.S. Nuclear Regulatory Commission

FRTR Spring 2021 Webinar and Meeting

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U.S. Nuclear Regulatory Commission NRC's Advanced Remediation Technologies: Scope, Application & Needs Dismantling & Decontamination of facility Phases of components and structures at nuclear power Decommissioning plants and spent fuel facilities to protect the public and environment. • Remediation/Cleanup of soils, subsurface media & groundwater for <u>decommissioning</u> of complex and uranium recovery sites. • Enhanced and efficient characterization methods and surveys before, during, and after remediation for demonstration of compliance with regulatory safety and environmental criteria. FRTR Spring 2021 Webinar and Meeting May 26, 2021

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Challenges
 Knowledge transfer of innovative technologies via <u>FRTR</u> & <u>CLU-IN</u> websites to the remediation community and regulators.
 Accessibility to new technologies and their cost efficiencies.
 Coordination of regulatory updates, guidance, and good practices for robotic surveillance and application of new technologies.
 Awareness of Federally-funded academic and research institutions of new and innovative remediation technologies and their application.
 Transitioning of advanced technologies from laboratory/pilot scale to field implementation.
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