

Additional Information about Hanford Site-funded TD Projects

(National Labs can contact the WRPS and WTP contractors for additional details)

9/11/2023

WRPS:

- Tank Refurbishment: Complete development of cold spray tank refurbishment system (WRPS POC: Stephanie Doll, Past Subcontractor: Orano)
- Under-tank NDE: Complete testing for guided wave system, re-design of EMAT system under-tank NDE systems, machine learning data interpretation (WRPS POC: Amanda Hede, Past Subcontractor: PNNL)
- Sidewall NDE: Guided wave and magneto-strictive sidewall system (WRPS POC: Amanda Hede, Past Subcontractor: None)
- Pit Inspection: Design pit inspection tool (task being pursued with FIU through MSIPP) (WRPS POC: Kayle Boomer, Past Subcontractor: FIU)
- ILAW Glass Testing: Continue long-term dissolution tests, prepare data packages for IDF PA update for enhanced waste glasses (WRPS POC: Dave Swanberg, Past Subcontractors: PNNL, VSL)
- Field Lysimeter Testing: Continue long term testing and monitoring (WRPS POC: Dave Swanberg, Past Subcontractor: PNNL)
- Sludge Retrieval Technology: Improved in-tank lighting, fabrication of small riser laser scanner, small riser residual pump (WRPS POC: Kayle Boomer, Past Subcontractor: None)
- Solids Sampling System: Off-riser sampling system replacement (WRPS POC: Doug Reid, Past Subcontractor: None)
- NUCON: Control system software development, additional design, complete test planning documentation (WRPS POC: Eugene Morrey, Past Subcontractor: PNNL)
- LDR Organics Mitigation: LDR sample and send maturation (WRPS POC: Rod Skeen, Past Subcontractor: SRNL)
- Secondary Waste Forms: ETF brine process options, secondary grout struvite stability, ammonia mitigation, ultra-high performance grout durability testing, improved capture and hold grout formulations for constituents of concern (WRPS POC: Dave Swanberg, Past Subcontractors: PNNL, VSL, SRNL)
- Radioactive Waste Test Platform: Effect of complexant waste on CST performance, flowsheet support (WRPS POC: Matt Landon, Past Subcontractor: PNNL)
- Dry Waste Retrieval System: Develop specification and begin design of system (WRPS POC: Peggy Hamilton, Past Subcontractor: None)

WTP:

- WTP Flowsheet Solutions: Nitrate Destruction (task awarded through EM HQ) (ORP POC: Albert Kruger, Subcontractor: PNNL)