

# PNNL at WM Symposia 2022

## Track 1 – Crosscutting Policies and Programs

**Tom Brouns** | Session 64 | Tuesday/PM

DOE Network of National Laboratories for Environmental Management and Stewardship (Panel Member)

## Track 2 – High-Level Radioactive Wastes, Spent Nuclear Fuel/Used Nuclear Fuel

**Nick Klymshyn** | Session 017 | Monday/PM

Hanford Lead Canister Project

**Sam Bryan** | Session 017 | Monday/PM

Real-time sampling for process control and validation: Leveraging on-line monitoring advances in wastes from Hanford tanks to gas phase species

**Sam Bryan** | Session 33b | Monday/PM

Advancements in integration of Raman-based real-time process monitoring for Hanford applications (Poster)

**Jesse Lang** | Session 41 | Tuesday/AM

Continuous Laboratory-Scale Melter

**Mark Nutt** | Session 80 | Wednesday/AM

Panel 80 Addressing the Impacts of the Back End of Advanced Reactor Fuel Cycles (R2.1) (Panel Member)

**Steven Rosenthal** | Session 123 | Thursday/AM

Next-generation Flaw Characterization in Hanford Under-tank Inspection by the Robotic Air-slot Volumetric Inspection System (RAVIS)

**Amy Westesen** | Session 153 | Thursday/PM

Temperature Comparisons of Cesium Ion Exchange Performance with Crystalline Silicotitanate on Hanford Tank Waste

**Emily Campbell** | Session 153 | Thursday/PM

Batch Contact Results Generate a New Isotherm Model to Predict Cs Exchange with Crystalline Silicotitanate in Tank Waste Simulants

**Phil Schonewill** | Session 153 | Thursday/PM

Performance of a Scaled Tank-Side Cesium Removal (TSCR) Test System at High Solids Loading

**Reid Peterson** | Session 153 | Thursday/PM

Filtration of Hanford Tank 241-AP-107 Supernatant Samples Obtained at Prototypic Tank Level and Filtered at 16°C

### Track 3 – Low-Level, Intermediate Level, Mixed Waste, NORM, and TENORM

**Phil Schonewill** | Session 12 | Monday/AM

Screening of Media for Iodine Removal from Liquid Feeds to the Hanford Effluent Treatment Facility

**Phil Meyer** | Session 88 | Wednesday/AM

Field-Scale Lysimeter Studies of Glass and Cementitious Waste Forms at the Hanford Site

**Sebastien Kerisit** | Session 88 | Wednesday/AM

Corrolating Immobilized Low-Activity Waste Glass Corrosion Model Parameters to Glass Composition

### Track 4 – Nuclear Power Plant Waste and On-Site SNF/UNF Management

**Nick Klymshyn** | Session 26 | Monday/PM

Spent Nuclear Fuel Canister Deposition Modeling Update

### Track 5 – Packaging and Transportation

**Steve Maheras** | Session 032 | Monday/PM

Verification and Validation of the Stakeholder Tool for Assessing Radioactive Transportation (START)”

**Steve Maheras** | Session 95 | Wednesday/AM

Panel 95 Evolution and Development for Waste Transport and Disposal. Presentation on Nuclear Power Plant Site Evaluations Overview and Status Report

**Tony Rigato** | Session 95 | Wednesday/AM

Panel 95 Evolution and Development for Waste Transport and Disposal. Presentation on Evolution of the Regulatory Requirements for the Safe Transport of Radioactive Material in Certified Packages

**Steve Maheras** | Session 133 | Thursday/AM

Development of a Draft Safety Inspection Protocol for Rail Shipments of Spent Nuclear Fuel

**Tony Rigato** | Session 148 | Thursday/PM

Evolution of the Criticality Safety Regulations during the Transport of Fissile Material in Certified Packages

### Track 7 – Environmental Remediation

**Dorothy Linneman** | Session 7 | Monday/AM

A Multi-Level Porewater and Gas Sampling Tool for Evaluating Contaminant Flux in the Vadose Zone to Groundwater

**Nik Huerta** | Session 105 | Wednesday/PM

Adaptive Site Management for the Hanford Central Plateau

**Nik Huerta** | Session 116 | Wednesday/PM

Addressing Big Data Challenges with Geophysical Data Archival, Discoverability, and Re-use

**Nik Huerta** | Session 85 | Wednesday/AM

Web-based Tools for Risk Visualization at Hanford

**Nik Huerta** | Session 134 | Thursday/AM

Bismuth-Based Materials for Subsurface Remediation

**Rob Mackley** | Session 7 | Monday/AM

An Evaluation of Electrical Resistivity Tomography for Stratigraphic Characterization of Paleochannels at the Hanford Site

**Rob Mackley** | Session 105 | Wednesday/PM

Evaluating Ion Exchange Resins for Pump-and-Treat Remedy Optimization

**Rob Mackley** | Session 134 | Thursday/AM

Evaluation of a Potential Groundwater Tracer Test for Advanced Hydrologic Characterization and Optimized Pump and Treat

### Track 9 – Special Topics Including Safety, Security, and Safeguards

**Matthew Barnett** | Session 144 | Thursday/PM

Considerations Supporting a 20-Year Nuclear Facility HEPA Filter Lifecycle

### Track 10 – Miscellaneous: Unassigned & Late Abstracts, & Non-Paper Posters

**Phil Meyer** | Session 119 | Wednesday/PM

Testing Update for Maintenance of the Long-Term Performance Assessment of the Integrated Disposal Facility (Poster)



To connect with any PNNL presenter after the conference, visit [www.pnnl.gov/contacts](http://www.pnnl.gov/contacts) or call Kelly McIntosh at 509.375.3880