

SRT Personnel List of Publications and Papers

"Design Factors Affecting the Flow of Water Through Below Ground Concrete Vaults", submitted for review to Journal of Environmental Engineering, May 25, 2005.

"Metrics, Model Bias, Uncertainty, Events and Risk Predictions", submitted for review to Risk Analysis, March 6, 2005.

"Effect of Compliance Period on Performance Risk Metrics: Peak-of-the-Mean, Mean-of-the-Peak, and Cumulative Release", WM'05 Conference, February 27 - March 3, 2005, Tucson, Arizona.

"Risk Insights for Risk Analysis Progress Report", Center for Nuclear Waste Regulatory Analyses, San Antonio, Texas, December 2004.

"Risk Predictions and Design of Disposal Systems," Ph.D. Dissertation, Environmental Sciences and Engineering, University of Texas at El Paso, December 2004.

"Degradation Analysis of the Grouted Tank/Vault and Piping System at the Idaho Nuclear Technology and Engineering Center Tank Farm Facility", INEEL, September 2002.

"Determination of Action-levels for Tanks WM-182 and -183", INEEL, May 2001.

"Radionuclides Contained in the Sandpad Beneath the Tanks at the Idaho Nuclear Technology and Engineering Center Tank Farm Facility - Source Term Estimation ", INEEL, February 2001.

"Total-System Performance Assessment (TPA) Version 4.0 Code: Module Descriptions and User's Guide", CNWRA, April 2000.

"Development of an Integrated System Computer Code for Reviewing the Performance Assessment of the Proposed High-Level Waste Repository at Yucca Mountain", Presented at the Waste Management 2000 Conference, Tucson AZ, February 2000.

SRT Personnel List of Publications and Papers
(cont.)

"A Total-System Performance Assessment Code for the Safety Assessment of the Proposed High-Level Nuclear Waste Repository at Yucca Mountain," *Supplement to EOS, Transactions of the AGU*, Vol. 80, No. 46, Washington, D.C., F313, AGU Fall Meeting, San Francisco, California, December 1999.

"Radionuclide Release Rates at the Receptor Location for the Proposed High-Level Radioactive Waste Disposal Site at Yucca Mountain", Presented at the Material Research Society Meeting, Boston, MA, November 29 - December 3, 1999.

"System-Level Repository Sensitivity Analysis Using TPA Version 3.2 Code", CNWRA, August 1999.

"NRC Sensitivity and Uncertainty Analysis for a Proposed HLW Repository at Yucca Mountain, Nevada, Using TPA 3.1, Volume I: Conceptual Models and Data", U.S. Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards, Divisions of Waste Management, NUREG-1668, 1999.

"Procedure for Installing and Modifying Total-System Performance Assessment (TPA) Version 3.2Pcbeta Code", CNWRA, December 1998.

"Installation and Execution of the Post-Processor for the Total-System Performance Assessment (TPA) Version 3.2 Code", CNWRA, December 1998.

"Total-System Performance Assessment (TPA) Version 3.2 Code: Module Descriptions and User's Guide", CNWRA, September 1998.

"Total-System Performance Assessment (TPA) Version 3.1.4 Code: Module Descriptions and User's Guide", CNWRA, June 1998.

"Total-System Performance Assessment (TPA) Version 3.0 Code: Module Descriptions and User's Guide", CNWRA, March 1997.

"Analysis of Contaminant Dilution in Groundwater," Scoping Calculations for Revisions to the EPA Standard, NUREG-1538, Washington D.C., Nuclear Regulatory Commission, 1996.

SRT Personnel List of Publications and Papers
(cont.)

Technical Memorandum for Saturated Zone Contaminant Screening, Leaching, and Unsaturated Zone Transport for the Idaho Chemical Processing Plant, October 1995.

Technical Memorandum for Saturated Zone Contaminant Screening and Preliminary Transport Modeling for the Idaho Chemical Processing Plant, October 1995.

OU-13, WAG 3 Comprehensive RI/FS Work Plan, EGG-CEE-9731, June 1995.

Track 2 Summary Report and Risk Assessment of Operable Unit 4-08, Central Facilities Area at the INEL, ER-XXXX, June 1995.

Technical Memorandum on the Hydrogeology at the Idaho Chemical Processing Plant, October 1994.

Technical Memorandum - Sediment Layering Effect on Contaminant Transport for Nonperched Unsaturated Areas of the ICPP, August 1994.

Technical Memorandum - Vadose Zone: Preliminary Modeling Approach and Data for the ICPP, July 1994.

"Case Study: Probabilistic Risk Assessment Using Monte Carlo Simulation for Residential Exposure," FER Conference, New Orleans, Louisiana, April 1994.

Track 2 Summary Report for Operable Unit 5-06: ARA-II Site ARA-12 and ARA-IV Site ARA-20, EGG-ER-11144, April 1994.

Track 2 Sampling and Analysis Plan for Operable Unit 4-08 CFA Sewage Plant, Septic Tank, and Drainfield, EGG-ER-11119, February 1994.

Background Concentrations of Selected Metals and Radionuclides in the Big Lost River Alluvium at the Idaho Chemical Processing Plant, January 1994.

Track 2 Preliminary Scoping Package for OU 4-08, December 1993.

SRT Personnel List of Publications and Papers
(cont.)

Preliminary Baseline Risk Assessment for the Operable Unit 5-05 and 6-01, SL-1, and Borax-I Burial Grounds Remedial Investigation/Feasibility Study, Technical Memorandum, November 1993.

"Incorporating Covariance in Quantifying Uncertainties for Probabilistic Risk Assessments Using Monte Carlo Simulation," Proceedings of the Environmental Remediation '93 Conference at Augusta, Georgia, October 24-28, 1993.

Health and Safety Plan for the WAG-10 Radioactively-Contaminated Surface Soils Remedial Investigation/Feasibility Study, EGG-ER-10778, August 1993.

Sampling and Analysis Plan for the WAG 10 Radioactively-Contaminated Surface Soils Remedial Investigation/Feasibility Study, EGG-ER-10770, August 1993.

Health and Safety Plan for the Track 2 Characterization of Auxiliary Reactor Area-III Operable Unit 5-06 Site ARA-12, EGG-ER-10698, July 1993.

Sampling and Analysis Plan for the Track 2 Characterization of Auxiliary Reactor Area-III Operable Unit 5-06 Site ARA-12, EGG-ER-10697, June 1993.

Sampling and Analysis Plan for Phase I of the Operable Unit 10-06 Radionuclide- Contaminated Soils Remedial Investigation/Feasibility Study, EGG-ER-10770-R0, 1993.