

CRESP Scholarly Products- CRESPII Year 2

CRESP Published Manuscripts

- 1 Burger J., J. Sanchez, D. Roush, and M. Gochfeld. 2001. Risk perception, future land use and stewardship: Comparison of attitudes about Hanford Site and Idaho National Engineering and Environmental Laboratory. *Journal of Environmental Management* 61:265-280.
- 2 Burger J., K.F. Gaines, C.G. Lord, I.L. Brisbin, S. Shukla, and M. Gochfeld. 2002. Metal levels in raccoon tissues: Differences on and off the Department of Energy's Savannah River site in South Carolina. *Environmental Monitoring and Assessment* 74: 67-84.
- 3 Burger, J., and M. Gochfeld. 2001. Biomonitoring cadmium in ecosystems: Trophic level considerations. In *Proceedings of the SCOPE Workshop*, edited by J.K. Syers and M. Gochfeld, Belgium Academy of Sciences, Brussels, Belgium, 13-16 September 2000.
- 4 Burger, J. 2002. Consumption patterns and why people fish. *Environ. Res.* 90:125-135.
- 5 Burger, J., S. Boring, C. Dixon, C. Lord, M. McMahon, R. Ramos, S. Shukla, and M. Gochfeld. 2002. Exposure of South Carolinians to commercial meats and fish within their meat and fish diet. *Science of Total Environment* 287:71-81
- 6 Burger, J. K.F. Gaines, W.L. Stephens, C.S. Boring, J. Snodgrass, C. Dixon, M. McMahon, S. Shukla, T. Shukla and M. Gochfeld. 2002. Metal levels in fish from the Savannah River: Potential hazards to fish and other receptors. *Environmental Research*.
- 7 Burger, J. 2002. The role of wild game in the diet of recreationists in South Carolina. *Journal Environmental Planning and Management*
- 8 Ellickson, K.M., C.J. Schopfer and P.J. Liroy. 2002. The bioaccessibility of low level radionuclides from two Savannah River Site soils. *Health Physics* 83(4):476-484.
- 9 Gaines K.F., C.S. Romanek, C. S. Boring, C.G. Lord, M. Gochfeld, and J. Burger. 2002. Using raccoons as an indicator species for metal accumulation across trophic levels: A stable isotope approach. *Journal Wildlife Management* 66: 811-821.
- 10 Garrabrants, A.C., F. Sanchez, C. Gervais, P. Moszkowicz, and D. Kosson. 2002. The effect of storage in an inert atmosphere on the release of inorganic constituents during intermittent wetting of a cement-based material. *Journal of Hazardous Materials B91*: 159-185
- 11 Gochfeld, M. 2001. Cadmium as a carcinogen. In *Proceedings of the SCOPE Workshop*, edited by J.K. Syers and M. Gochfeld, Belgium Academy of Sciences, Brussels, Belgium, 13-16 September 2000.
- 12 Greenberg, M.R., D.A. Lewis, M. Frisch, K.W. Lowrie, and H. J. Mayer. 2002. The US Department of Energy's regional economic legacy: Spatial dimensions of a half century of dependency. *Socio-Economic Planning Sciences* 36: 109-125.

CRESP Published Manuscripts

- 13 Kinney, A.G., and T.M. Leschine. 2002. A procedural evaluation of an analytic-deliberative process: The Columbia River comprehensive impact assessment. *Risk Analysis* (22)1: 83-99.
- 14 Kosson, D.S., H.A. van der Sloot, F. Sanchez, A.C. Garrabrants. 2001. An integrated framework for evaluating leaching in waste management and utilization of secondary materials. *Environmental Engineering Science* 19(3): 159-204.
- 15 Lord, C.G., K. F. Gaines, C. S. Boring, I. L. Brisbin, M. Gochfeld, and J. Burger. 2002. Raccoon (*Procyon lotor*) as a bioindicator of mercury contamination at the U.S. Department of Energy's Savannah River Site. *Archiv. Environ. Contam. Toxicol.* 43:356-363.
- 16 Lowrie, K., and M. Greenberg. 2001. Can David and Goliath get along?: Federal lands in local places. *Environmental Management* 28(6): 703-711.
- 17 Mercer, D. 2002. Future-histories of Hanford: The material and semiotic production of a landscape. *Cultural Geographies* 9:35-67.
- 18 Nyerges, T., P. Jankowski and C. Drew 2002. Data-gathering strategies for social-behavioral research about participatory geographical information system use. *Int. J. Geographical Information Science* 16(1): 1-22.
- 19 Sanchez, F., C. Gervais, A. Garrabrants, R. Barna, and D.S. Kosson. 2002. Leaching of inorganic contaminants from cement-based waste materials as a result of carbonation during intermittent wetting. *Waste Management* 22: 249–260.
- 20 Sanchez, F., C.H. Mattus, M.I. Morris, and D.S. Kosson. 2002. Use of a new leaching test framework for evaluating alternative treatment processes for mercury-contaminated soils. *Environmental Engineering Science* 19(4) 251-269.
- 21 Upton, A.C. 2002. Carcinogenic effects of low-level ionizing radiation: Problems and prospects. *Vivo* 16: 527-534.

CRESP In Press Manuscripts

- 1 Garrabrants, A.C., F. Sanchez, and D.S. Kosson. 200x. Modeling the release of inorganic species from an intermittently wetted cement-based matrix. *AIChE Journal*
- 2 Mayer, H.J., and M.R. Greenberg. 200X. Infrastructure planning in an uncertain environment: The nation's former nuclear weapons production sites. *Public Works Management & Policy*
- 3 Punshon, T. 200X. Bioavailability of nickel and uranium to vegetation in a contaminated riparian ecosystem. *Environmental Toxicology & Chemistry*

CRESP In Press Manuscripts

- 4 Sanchez, F., A.C. Garrabrandts and D.S. Kosson. 200x. Effects of intermittent wetting on concentration profiles and release from a cement-based waste matrix. *Environmental Engineering Science*

CRESP Submitted Manuscripts

- 1 Burger, J. 200X. Consistency among methods of assessing concerns about the Los Alamos National Laboratory.
- 2 Burger, J. O. Meyers, C.S. Boring, C. Dixon, J. C. Jeitner, J. Leonard, C. Lord, M. McMahon, R. Ramos, S. Shukla, M. Gochfeld. 200X. Environmental health, future land use, restoration, and stewardship: Proximity reflects the public's ratings.
- 3 Burger, J. 200X. Ethnicity affects consumption patterns and why people fish in urban angler. *Environmental Research*
- 4 Burger, J. S. Boring, C. Dixon, C. Lord, M. McMahon, R. Ramos, S. Shukla, C. Jeitner, and M. Gochfeld. 200X. Exposure of South Carolinians to commercial meats and fish within their meat and fish diet.
- 5 Burger, J. 200X. Fish consumption advisories: Knowledge, compliance and why people fish in an urban estuary.
- 6 Burger, J. 200X. Future land use for contaminated sites: Ratings reflect potential use.
- 7 Burger, J., B. Johnson, S. Shukla, and M. Gochfeld. 200X. Perceptions of recreational fishing boat captains: Knowledge and effects of fish consumption advisories.
- 8 Burger, J. 200X. Personal watercraft and boats: Coastal conflicts with common terns. *Journal of Coastal Research*
- 9 Burger, J. 200X. Restoration, stewardship, environmental health, and policy: Understanding stakeholders perceptions.
- 10 Burger, J., J. Sanchez, D. Roush, and M. Gochfeld. 200X. Risk perception, land use, and the Idaho National Engineering and Environmental Laboratory: Attitudes of the Shoshone-Bannock and other American Indians. *Environmental Research*.
- 11 Burger, J., and M. Gochfeld. 200X. Use of monitoring data in ecological and human exposure assessment. *Environmental Encyclopedia*

CRESP Submitted Manuscripts

- 12 Campbell, K.R., R.J. Dickey, R. Sexton and Joanna Burger. 200X. Fishing along the Clinch River Arm of Watts Bar Reservoir adjacent to the Oak Ridge Reservation Tennessee: Behavior, knowledge and risk perception. *The Science of the Total Environment*
- 13 Drew, C.H., T.L. Nyerges, T.M. Leschine. 200X. Information support for analytic-deliberative dialogue: The Hanford Decision Mapping System pilot project. *Risk Analysis*.
- 14 Garrabrants, A.C., F. Sanchez, and D.S. Kosson. 200x. Changes in constituent solubility and pore water characteristics resulting from carbonation of a Portland cement-based waste material. *Waste Management*, submitted, 2002.
- 15 Gervais, C., A.C. Garrabrants, F. Sanchez, R. Barna, P. Moszkowicz and D.S. Kosson. 200x. The effects of carbonation and drying during intermittent leaching on the release of inorganic constituents from a cement-based matrix. *Cement and Concrete Research*, submitted, 2002.
- 16 Hacherl, E.L., D.S. Kosson, R.M. Cowan. 200X. A kinetic model for bacterial FE(III) oxide reduction in batch organisms. *American Geophysical Union*
- 17 Judd N. 200x. Challenges in defining informative background levels for human and ecological risk assessments.
- 18 Judd, N., W.C. Griffith, D.A. Kalman, and E.M. Faustman. 200X. Assessment of PCB congener analytical methods: Do they meet risk assessment needs. *Archives of Environmental Contamination and Toxicology*
- 19 Kimberling, D.N., and J.R. Karr. 200X. Invertebrate responses to disturbance in shrub-steppe: Testing the terrestrial index of biological integrity in southeastern Idaho (USA). *Northwest Science*
- 20 Peakall, D., and J. Burger. 200X. Methodologies for assessing exposure to metals: Speciation, bioavailability of metals, and ecological host factors.
- 21 Punshon, T., K.F. Gaines, P.M. Bertsch and J. Burger. 2002. Bioavailability of uranium and nickel to vegetation in a contaminated riparian ecosystem. *Environmental Toxicology and Chemistry*
- 22 Punshon, T., P.M. Bertsch, A. Lanzirotti, K. McLeod and J. Burger. 200X. Geochemical signature of contaminated sediment remobilization revealed by spatially resolved x-ray microanalysis of annual rings of *Salix nigra*. *Environmental Science and Technology*
- 23 Sanchez, F., and D.S. Kosson. 2003. Probabilistic approach for estimating the release of contaminants under field management scenarios. *Waste Management*, submitted, October 2002.
- 24 Switzer, C., and D.S. Kosson. 200x. Evaluation of air permeability in layered heterogeneous unsaturated materials. *Water Resources Research*, submitted, January 2003.

CRESP Submitted Manuscripts

- 25 Switzer, C., C., Slagle, T., Hunter, D. and D.S. Kosson. 200X. Use of rebound testing for evaluation of soil vapor extraction performance at the Savannah River Site. Ground Water Management and Research, submitted October 2002.

CRESP Published Books, Chapters, and Sections

- 1 Burger, J., K. Kannan, J. P. Giesy, C. E. Grue, and M. Gochfeld. 2002. Effects of environmental pollutants on avian behavior. In Behavioral Ecotoxicology, G. Dell'Omo, ed., p. 338-375, Wiley & Sons, Chichester, UK.
- 2 Burger, J. 2002. Tourism and ecosystems. In Encyclopedia of Global Environmental Change: Volume 3, Causes and consequences of global environmental change, pp 597-609, edited by Ian Douglas. Chichester, England: John Wiley & Sons.
- 3 Hill, K., D. White, M. Maupin, B. Ryder, J.R. Karr, K. Freemark, R. Taylor and S. Schauman. 2002. In expectation of relationships: Centering theories around ecological understanding. Ecology and Design: Frameworks for Learning, edited by B.R. Johnson and K. Hill, 271-303, Island Press: Washington, DC.
- 4 Karr, J.R. 2002. What from ecology is relevant to design and planning. In Ecological Thinking for Design and Planning Education, edited by B. Johnson and K. Hill, 133-172. Island Press, Washington, DC.

CRESP In Press Books, Chapters, and Sections

- 1 Burger, J. 200X. Tourism and ecosystems, Volume 3. In London: John Wiley and Sons.

CRESP Researcher Reports

- 1 Drew, C. W.C. Griffith, D.A. Kalman, and E.M. Faustman. 2001. Transparency - Considerations for PPGIS research and development. Workshop on Access and Participatory Approaches in Using Geographic Information, Spoleto, Italy, December 5-9.
- 2 Drew, C., T. Nyerges, T. Leschine, S. Mendez. 2002. Decision Mapping System phase 2 development: Potential expansion into the 300 area, stakeholder interactions and remaining concerns. CRESP Public Policy Project #4, September 6.
- 3 Drew, C. T.L. Nyerges, and T. Leschine. 2002. The Decision Mapping System in the Hanford 100 area pilot project summary, results, and conclusions. CRESP Public Policy Project #4, August 30.
- 4 Feldman, R.D., T.H. Norris, F.J. Navarro, B. McCutchen and H. J. Mayer. 2002. Legal and institutional considerations in DOE environmental remediation contracting. August.
- 5 Greenberg, M., K.T. Miller, M. Frisch. 2001. The regional economic implications of reducing DOE environmental management expenditures in the near term, Report 55. November

CRESP Researcher Reports

- 6 Greenberg, M. K. Lowrie, M. Frisch, and D. Lewis. 2002. Future economic history of the US Department of Energy's major nuclear weapon site regions: National government policy options for contributing to regional economic stability, Report 63. May.
- 7 Lowrie, K., and M. Greenberg. 2002. Dams as Hazards: Implications for long-term stewardship, Report 61. August (DRAFT).
- 8 Mayer, H. D. Lewis, and M. Greenberg. 2002. DOE contract reform in context: A case study of the Rocky Flats closure contract, Report 64. September 18 (Draft only).
- 9 Mayer, H., and M. Greenberg. 2002. Uncertainty, life-cycle costing, discount rates and cost-benefit analyses: Their impact on long-term DOE environmental management decisions, Report 62. June.
- 10 Nyerges, T., C. Drew, T. Leschine, G. Zhou and T. Otistis. 2002. Decision Mapping System development plan. CRESP Public Policy Project 4 Report, September 16.
- 11 Nyerges, T., C. Drew, T. Leschine, G. Zhou, and R. Ositis. 2002. Decision Mapping System system specification. CRESP Public Policy Project #4, August 31.
- 12 Punshon, T., J. Burger, and P.M. Bertsch. 2002. Bioavailability and trophic transfer of metals and radionuclides in a riparian ecosystem: First stage trophic transfer, Report 02EHR-01. May 15.
- 13 Sanchez, F., D.S. Kosson, C.H. Mattus, and M.I Morris. 2001. Use of a new leaching test framework for evaluating alternative treatment processes for mercury contaminated mixed waste (Hazardous and Radioactive). December 14.
- 14 Williams, B.L. 2002. Future site land use preferences at USDOE nuclear facilities. September

CRESP Proceedings

- 1 Abkowitz, M.D. 2002. Environmental Risk Communication: What is it and how can it work?. Environmental Risk Communication Summit Proceedings, Nashville, Tennessee, March 5-6.
- 2 Eichelberger, J., D. Barnes, J. Kelly, R. Perkins, B. Holladay, and J. Risse. 2002. Proceedings of the Amchitka Island Long-term stewardship workshop: Identifying key science issues and research priorities. Fairbanks, Alaska, May.
- 3 Lopez, S., F. Sanchez, and D.S. Kosson. 2002. Evaluation of the impact of environmental conditions on constituent leaching from granular materials during intermittent infiltration. Beneficial Use of Recycled Materials in Transportation Applications conference. (Eds). Air & Waste Management Association's Publications, Washington, D.C.

CRESP Presentations, Posters, and Abstracts

CRESP Presentations, Posters, and Abstracts

- 1 Barnes, D.L. 2002. Amchitka Island underground nuclear test area, potential pathways for release of radionuclides to the environment from Amchitka Island, Alaska. American Association for the Advancement of Science Arctic Division, 53rd Arctic Science Conference, September 2002.
- 2 Barnes, D. 2002. Uncertainty in the hydrogeology of Amchitka Island. American Association for the Advancement of Science Arctic Division 53rd Arctic Science Conference, Fairbanks, Alaska, September 19.
- 3 Broughton, J., J. Snodgrass, W. Hopkins, and J. Burger. 2002. Effects of coal ash exposure on the development of the Green Frog larvae. Ichthyology and Herpetology Meetings, Summer.
- 4 Burger, J. 2002. Assessing ecological risk for long-term stewardship at the Department of Energy Sites. Tulane University, Long-term Stewardship for DOE, Feb 5-7.
- 5 Burger, J. 2002. Fish and fishing at Brookhaven. TIE conference, Oakland, California, Nov 12.
- 6 Burger, J. 2002. Incorporating ecology and ecological risk into long-term protection on contaminated federal lands. Society for Risk Analysis 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 7 Burger, J. 2002. Risk and why people fish. Society for Risk Analysis 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 8 Burger, J. 2002. Using birds as indicators of environmental pollution. International Ornithological Congress. Beijing, China, August.
- 9 Burger, J. 2002. Weight of evidence and the precautionary principle. SCOPE Endocrine disruptor Conference, Yokohama Japan, November.
- 10 Chess, C. M. H. McDermott, K. K. Pflugh, P. Perez-Lugo, and J. Burger. 2002. Fish communication to at-risk audiences: Using the teachable moment. Society for Risk Analysis 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 11 Clark, J.H., M. M. MacDonell, E. D. Smith, R. J. Dunn, W. J. Waugh, R. D. Waters and D. E. Burns. 2002. Engineered containment and control systems: Nurturing nature. Society for Risk Analysis 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 12 Clarke, J.H., M.M. MacDonnell, E.D. Smith, R.J. Dunn, W.J. Waugh, R.D. Waters, and D.E. Burns 2002. Engineered containment and control systems nurturing nature. Society for Risk Analysis 2002 Annual Meeting, New Orleans, LA, December 8-11.

CRESP Presentations, Posters, and Abstracts

- 13 Drew, C. and T. Nyerges. 2001. Integrating information for long-term decision transparency using geographic information and internet technologies: Hanford 100 area decision mapping system. Society of Risk Analysis, Seattle, Washington, December 5.
- 14 Drew, C. 2001. Transparency - Considerations for PPGIS research and development. Workshop on Access and Participatory Approaches in Using Geographic Information, Spoleto, Italy, December 5-9.
- 15 Drew, C. 2002. Evaluating the Hanford Decision Mapping System: Can we really promote transparency with the GIS and the Internet. Department of Geography Colloquium, University of Washington, April 19
- 16 Drew, C.H., T.L. Nyerges, and T.M. Leschine. 2002. Hanford Decision Mapping System: A transparent tool for stakeholder involvement?. First Annual Public Participation GIS Conference, Rutgers University, New Brunswick, NJ, July 21-23.
- 17 Drew, C., and T. Nyerges. 2002. Information support for the analytic-deliberative process: Lessons from the Hanford Decision Mapping System. Society for Risk Analysis (SRA) 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 18 Drew, C.H. 2002. The Decision Mapping System: A brief demonstration of the pilot DMS.
- 19 Drew, C. 2002. The Decision Mapping System: Overview of development and evaluation. DOE Briefing Package, July 25.
- 20 Drew, C. 2002. The Decision Mapping System: Overview of development and evaluation. EPA Region 10 - Briefing Package, University of Washington, Seattle, WA, September 30.
- 21 Drew, C.H., and T.L. Nyerges. 2002. The Decision Mapping System: Promoting transparency of long-term environmental decisions in the Hanford 100 Area. EPA: Community Involvement Conference, Portland, Maine, June.
- 22 Drew, C. 2002. Transparency as an institutional control: Lessons from developing the Hanford Decision Mapping System (DMS). Conference on Environmental Stewardship: Promising Solutions to Uncertainty, New Orleans, La, February 6.
- 23 Eichelberger, J., G. Hill, M. Patrick, J. Freymueller, D. Barnes, J. Kelley, and P. Layer. 2001. Factors to be considered in long-term monitoring of a former nuclear test site in a geophysically active and water-rich environment. Fall Annual Meeting, American Geophysical Union, San Francisco, CA, December 10-14.
- 24 Greenberg, M. 2002. The economics of DOE's EM and long-term stewardship programs: The precautionary principle and life-cycle costing. Society for Risk Analysis (SRA) 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 25 Griffith, W. 2002. Integrated assessment of potential risks and hazards for a reactor museum at Hanford. Society for Risk Analysis 2002 Annual Meeting, New Orleans, LA, December 8-11.

CRESP Presentations, Posters, and Abstracts

- 26 Jabbour, A.J., M.R. Rosato, R.A. Ponce, K.B. Ertell, T.J. Kavanagh, L.S. Newman, T.K. Takaro, and E.M. Faustman. 2002. A flow cytometric assay for beryllium sensitization: Screening and mechanistic applications. USDOE/ NIOSH/ National Jewish Medical and Research Center Conference, Bethesda, Md, June.
- 27 Judd N.L., W.C. Griffith, T.K. Takaro and E.M. Faustman. 2001. A model for optimizing the frequency of biomarker testing to minimize disease and cost: An example of beryllium sensitization testing, Poster. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, December 3-5.
- 28 Judd, N.L., W.C. Griffith, T.K. Takaro, E.M. Faustman. 2002. Comparing optimized biomarkers and exposure control measures to reduce disease in beryllium exposed workers. ISEA/ISEE Conference, Vancouver, BC, August 11-15.
- 29 Judd, N.L., K.B. Ertell, T.K. Takaro, W.C. Griffith and E.M. Faustman. 2002. Risk based strategies for worker protection from DOE legacy contaminants: Options for improvement of monitoring practices. Society for Risk Analysis 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 30 Kosson, D., and F. Sanchez. 2001. The science, policy, and regulation of contaminant release: A key to real stewardship. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, Dec 2-5.
- 31 Kosson, D.S., F. Sanchez, A.C. Garrabrants. 2002. Assessment of constituent leaching for risk-based management decisions. Society for Risk Analysis (SRA) 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 32 Kosson, D.S., H.A. van der Sloot, F. Sanchez and A.C. Garrabrants. 2002. Assessment of constituent leaching from soils, wastes and other materials for management decisions. 1st International Workshop on Groundwater Risk Assessment at Contaminated Sites (GRACOS),Tubingen, Germany, D. Halm and P. Grathwohl (Eds). TGA, C61, 2002, p. 19-23.
- 33 Kosson, D.S., L.Y. Young, R.M. Cowan, E.L. Hacherl and M. Vidal. 2002. Modeling of microbial Fe(III) reduction in soils and investigation of radionuclide mobility. Annual PI Meeting for the U.S. Department of Energy, Natural and Attenuated Bioremediation Initiative, Warrenton, VA, March 18-20.
- 34 Kostelnik, K.M., J. H. Clarke and J. L. Harbour. 2002. Residual hazards management. Society for Risk Analysis 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 35 Lowrie, K. 2002. Stakeholder preferences on stewardship and institutional controls. Conference on Environmental Stewardship: Promising Solutions to Uncertainty, New Orleans, La, February 6.
- 36 Mercer, D. . Monitoring the vulnerability of institutional controls: Measuring and design issues. Conference on Environmental Stewardship: Promising Solutions to Uncertainty, New Orleans, La, February 6.
- 37 Nyerges, T. 2002. Linked Visualizations in sustainability modeling: An approach using participatory GIS for decision support. Association of American Geographers Illustrated Paper Session IV, Los Angeles, CA, March 20.
- 38 Powers C.W. 2002. How CRESP II is organizing its research and review programs to provide key technical links between remedial choice and protective and cost-effective closure at DOE sites. Environmental Occupational Health Sciences Institute, Department of Environmental and Community Medicine, Piscataway, NJ, May 28.

CRESP Presentations, Posters, and Abstracts

- 39 Powers, C.W. 2000. Ethical responsibilities in health risk communication, Abstract. International Health Risk Communication Symposium
- 40 Powers, C.W. 2001. A model for guiding long term stewardship risk-based research. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, Dec 2-5.
- 41 Powers, C.W. 2001. Exposure research at Department of Energy Sites Savannah River site examples. ISEA Conference, Charleston, SC, Nov 4-8.
- 42 Powers, C.W. 2001. Long term stewardship methodology overview. Industry Partnership for Environmental Science and Technology Conference, National Energy Technology Laboratory Conference, Morgantown, WV, Oct.30-Nov.1.
- 43 Powers, C.W. 2002. How CRESP II is organizing its research and review programs to address priority goals of DOE-EM and seeking to provide key technical links between remedial choice and protective and cost-effective closure at DOE sites. Department of Energy, May 21.
- 44 Powers, C.W. 2002. Overview of DOE-EM Stewardship as seen from the perspective of a university research consortium. SRS Citizens Advisory Board, The strategic and Long-Term Issues Committee and Sub-Committee on Stewardship, Atlanta, Georgia, February 25.
- 45 Powers, C.W. 2002. Reliability and risk issues in environmental systems: The integrated Priority list at the Savannah River Site to illustrate environmental protection at DOE sites. Reliability and Risk Setting a National Research Agenda, Vanderbilt University, Nashville, Tennessee, May 13.
- 46 Powers, C.W. 2002. Risk, regulation and technical clarity. The Solvent Cleanup Workshop, Savannah River Site, July 24.
- 47 Powers, C.W. 2002. Risk-based end states project meeting. October 29.
- 48 Powers, C.W. 2002. The precautionary principle and weight of evidence: Lessons learned from research on contaminated land. Society for Risk Analysis (SRA) 2002 Annual Meeting, New Orleans, LA, December 8-11.
- 49 Powers, C.W. 2002. The roles for risk in DOE cleanup. NGA Task Force and NAAG Meeting, Washington, DC, November 10.
- 50 Punshon, T. 2002. Investigation of spatial heterogeneity in Ni distribution among annual rings of *Salix nigra* (black willow) inhabiting a former radiological settling pond, Abstract. National Synchrotron Light Source 2002 Annual Activity Report.
- 51 Punshon, T. P.M. Bertsch, A. Lanziroti, and J. Burger. 2002. Retrospective biomonitoring using spatially resolved X-ray microanalysis of *Salix nigra* L. (black willow) in a uranium and nickel contaminated wetland. ASA-CSSA-SSSA Annual Meeting

CRESP Presentations, Posters, and Abstracts

- 52 Punshon, T. 2002. Three-dimensional fluorescences tomography of nickel enriched regions in the xylem elements of *Salix nigra* L. growing in a contaminated wetland, Abstract. National Synchrotron Ligh Source 2002 Annual Activity Report.
- 53 Sanchez, F., F.L. Parker, and J. H. Clarke. 2002. Evaluating requirements for stewardship of contaminant isolation facilities.. Waste Management 2002, Tucson, Arizona, February 24-28, 2002.
- 54 Sanchez, F., D. Kosson, C. Mattus, and M. Morris. 2002. Experience with alternative leaching protocols for mercury-bearing waste. Boston, MA: Breaking the mercury cycle: long-term management of surplus & recycled mercury & mercury-bearing waste.
- 55 Sanchez, F., A.C. Garrabrants, D.S. Kosson, and H. van der Sloot. 2002. Experience with alternative leaching protocols for wastes and secondary materials. 18th Annual Waste Testing & Quality Assurance Symposium, Arlington, VA.
- 56 Takaro T. K. Ertell, J. Dement, K. Omri, K. Ringen, L. Welch, E. Faustman, and S. Barnhart. 2002. Beryllium sensitization and respiratory disease in former workers at a nuclear weapons site.
- 57 Takaro, T.K., w. Griffith, and H. Checkoway. 2002. Asbestos and radiation as combined exposures in pulmonary fibrosis. Annual Meeting of International Society for Exposure Analysis/International Society for Environmental Epidemiology 2002 Joint Meeting, Vancouver, BC.
- 58 Takaro, T.K., K. Ertell, K. Omri, L. Newman, E. Faustman and S. Barnhart. 2002. Beryllium building risk density estimates using work history and sentinel events of beryllium sensitization in former Hanford workers. American College Occupational & Environmental Medicine State of the Art Conference, October 30.
- 59 Takaro, T. K. Ertell, K. Omri, A. Blair and E. Faustman. 2002. Beryllium exposures at a nuclear weapons production facility: Applying the sentinel case approach to improve exposure assessment. International Society for Environmental Epidemiology and International Society for Exposure Assessment, Vancouver BC, Canada, August 12-15.
- 60 Takaro, T., L.S. Newman, KB. Ertell, E. Barker, and B.D. Stover. 2002. Development of a screening test for zirconium sensitivity. American Industrial Hygiene Association Annual Meeting 2002.
- 61 Waishwell L. 2002. Development of a fish consumption advisory: Science and community partnership. American Public Health Association, Philadelphia, Pa, November 11.
- 62 Waishwell L. 2002. Selected CRESP II activities related to groundwater. DOE Site Specific Advisory Board Groundwater Workshop, Augusta, Georgia, January 31- February 2.
- 63 Waishwell, L., and M. Holland. 2001. Consortium for Risk Evaluation with Stakeholder Participation (CRESP II). SRS Citizens Advisory Board, Hilton Head Island, SC, January 14.
- 64 Waishwell, L. 2002. CRESP II, Poster. DOE Site Specific Advisory Board Groundwater Workshop, Augusta, Georgia, January 31- February 2.

CRESP Presentations, Posters, and Abstracts

- 65 Wong, E.Y., R.A. Ponce, S. Farrow, S.M. Bartell, R.C. Lee, and E.M. Faustman. 2001. Quantitative methods for comparative risk and policy analysis. Annual Meeting for the Society of Risk Analysis. Seattle, WA, December 3-5.
- 66 Wong, E.Y., R.A. Ponce, S. Farrow, S.M. Bartell, R.C. Lee, W.C. Griffith and E.M. Faustman. 2001. Quantitative methods for comparative risk and policy analysis, Poster. Society for Risk Analysis 2001 Annual Meeting. Seattle, WA, December 3-5.

CRESP Dissertations or Theses Completed

- 1 Drew, C. 2002. The decision mapping system: Promoting transparency of long-term environmental decisions at Hanford. Dissertation Defense, Department of Geography, University of Washington, Seattle, Washington.
- 2 Mendez, S.L. 2002. An evaluation of the role of the Hanford Natural Resource Trustees Council in protecting and enhancing the natural resources of the Hanford nuclear weapons site and Columbia River. Master of Marine Affairs thesis, School of Marine Affairs, University of Washington, Seattle, Washington.