

TODD A. KIMMELL

Environmental Policy Analysis Section
Environmental Science Division
Argonne National Laboratory

Education:

M.S. The George Washington University, Environmental Science, 1982
B.S. The Indiana University of Pennsylvania, Biology/Chemistry Minor, 1978

Professional Experience:

1993-Present Environmental Scientist/Policy Analyst/Emergency Management Specialist
 Environmental Science Division, Argonne National Laboratory

Sponsors include DoD, Army, DOE, EPA, DHS and FEMA. DOD projects include support to the U.S. Army Office of the Director of Environmental Programs and the DOD Operational and Environmental Executive Steering Committee for Munitions (OEESCM), support on permitting/compliance and cleanup programs for chemical and conventional munitions management, participation in the Assembled Chemical Weapons Assessment program, participation in Army chemical agent analytical method programs, support to the Army Chemical Stockpile Emergency Preparedness Program (CSEPP), participation in RCRA corrective actions and CERCLA Remedial Investigations/Feasibility Studies, including quality assurance and laboratory oversight at conventional and chemical disposal sites, and participation on behalf of DOD in initial efforts to work with EPA on the Military Munitions Rule and the Range Rule. Under the CESPP program, participated in emergency preparedness exercises as a controller and an evaluator. DOE projects include development of environmental guidance and training programs, and regulatory review of EPA and State proposed and final rulemakings, both focused on CRA/CERCLA programs. DOE projects also include investigation of off-shore production wells and contribution to hypoxia in the Gulf of Mexico and evaluation of power production issues during drought conditions. EPA projects include participation in the Agency's program to promote new approaches to environmental cleanup, including Triad, and evaluation of analytical methods for use during emergency response to chemical incidents. DHS projects include emergency response planning involving natural disasters and terrorist incidents in locations throughout the U.S. Assisted in examining disaster response and multi-jurisdictional evacuation processes in post-Katrina Louisiana. Also supported development of DHS/FEMA national guidance pertaining to emergency planning and management. Other projects include development of negotiated rulemakings for chemical munitions management, development of ultra-sensitive analytical methods for chemical agents in waste and environmental matrices, RCRA delisting program for chemical agent wastes, and participation, on behalf of DOE, in an American Society for Testing and Materials-led effort to develop the next generation leaching test for application in the RCRA program.

Mr. Kimmell has been a member of the National Research Council Committee overseeing aspects of the Army's program for chemical munitions management and demilitarization, DOE's RCRA Corrective Action National Working Group, and EPA's Water Protection Task Force Core Group.

Summary of Previous Experience:

1986-1993 Department Manager/Executive Environmental Scientist
Halliburton NUS Environmental Corporation

Managed multi-disciplinary technical/regulatory project staff consisting of RCRA, CERCLA and NEPA experts, and was responsible for marketing, proposal development, program management, project management, technical direction, and employee performance. Managed level-of effort, multi-disciplinary programs for EPA, DOE, DOD, private sector clients, and numerous individual projects, ranging in size from several thousand to several million dollars. Served as senior RCRA/CERCLA expert on many projects. Was principal contributor to establishment of national program for permitting Army installations involved in Open Burning/Open Detonation, managed RCRA permitting at Army installations, participated in development of the RCRA Military Munitions Rule, and performed RCRA facility assessments, RCRA facility investigations, compliance assessments and on-site investigations. Primary author of EPA initial RCRA Facility Investigation Guidance and Training Program.

1979-1986 Senior Environmental Scientist
U.S. Environmental Protection Agency Office of Solid Waste

Coordinated the development and validation program for the Toxicity Characteristic Leaching Procedure and other RCRA methods. Participated as one of the initial engineers of the Land Disposal Restrictions program. Evaluated regulatory issues pertaining to waste characteristics, including ignitable, reactive, explosive, toxic, mutagenic, carcinogenic, teratogenic, and radioactive wastes. Also evaluated environmental fate characteristics, such as persistence, bioaccumulation potential, and biodegradation. Evaluated regulatory issues pertaining to special waste categories, including mining waste, electric utility ash, oil and gas wastes, dredge spoils, oily wastes, monofill wastes, explosive wastes, and foundry wastes. Organized, coordinated, and chaired EPA and other workshops. Coordinated and evaluated hazardous waste petitions for delisting a wide variety of listed hazardous wastes, and provided technical support to the RCRA State Authorization Program.

Research Interests:

Interface between emergency response and environmental protection
Defense industry special waste issues and remediation and waste treatment technologies
Development and application of analytical and environmental test methods
Climate change and impacts on power production and water programs

Past and Present Professional Activities:

National Research Council (NRC) Committees on Chemical Munitions and Demilitarization
EPA Water Security Task Force Core Group
DOE RCRA Corrective Action National Working Group
Various Environmental and Waste Management Associations

Publications:

Author/co-author of 180+ journals, books, reports, conference publications and presentations.