KURT C. PICEL

Environmental Health Risk Section
Environmental Science Division
Argonne National Laboratory

Education:

Ph.D.	University of Michigan, Environmental Health Sciences, 1985
M.S.	University of Michigan, Environmental Health Sciences, 1979
B.S.	Western Michigan University, Chemistry, 1976

Professional Experience:

2000-present	Environmental Scientist Environmental Science Division
1992-2000	Assistant Environmental Scientist Environmental Assessment Division
1986-1991	Environmental Research Division Argonne National Laboratory

Planning, conducting, overseeing, and reviewing environmental remediation and decontamination and decommissioning actions at federal hazardous waste sites, and performing environmental assessments under the National Environmental Policy Act of Federal actions. Activities include developing or reviewing work plans and sampling and analysis plans, evaluating characterization data, conducting risk assessments, determining cleanup criteria, evaluating environmental technologies, implementing remedial actions, designing final status surveys, performing and documenting environmental assessments, and analyzing technical and regulatory issues.

In recent work, helped deploy an innovative DOE technology suite for the real-time characterization of radiologically contaminated soil at the Fernald site in Ohio; co-authored a supplemental environmental assessment for the construction of the National Ignition Facility at Livermore Nation Laboratory; supporting the New England District of the Army Corps of Engineers in the cleanup of the Combustion Engineering Site under the Formerly Utilized Sites Remedial Action Program (FUSRAP); and am leading the ANL support of the activities leading to the termination of radiological licenses granted by the Nuclear Regulatory Agency (NRC) to the (former) Seneca Army Ammunition Depot, which was closed under the Army's Base Realignment and Closure program. The latter activity requires designing and overseeing the execution of final status surveys following the Multi-Agency Radiation Survey and Site Investigation guidance, commonly known as MARSSIM.

Summary of Previous Experience:

1983-1986 Energy and Environmental Systems Division
Argonne National Laboratory

In the completion of doctoral and post-doctoral studies, investigated the photolytic and partitioning behavior of over 200 coal oil constituents in aqueous systems using gas chromatography (GC) and GC/mass spectrometry (GS/MS). Determined photolysis rate constants and thermodynamic properties for the constituents.

1979-1982 Environmental Research Group
Ann Arbor, Michigan

Supervised analyses of environmental samples by U.S. EPA methods and assured the quality and timely production of analytical reports. Previously, performed analysis of environmental samples by GC, GC/MS and HPLC methods, validated methods, and maintained instrumentation.

Research Interests:

Environmental measurement systems and data quality objectives for site characterization
Environmental risk assessment, risk management, and risk communication
Technologies for environmental restoration and facility D&D, in particular, real-time gamma spectrometry systems

Professional Activities:

Member, American Chemical Society,
Sigma Xi, and
Chicago Chapter of the Society for Risk Analysis

Publications:

Author or co-author of 50+ journal, book chapter, report, and conference publications.