

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, synthesized the process history of the Former Harshaw Chemical site from site records in developing the conceptual site model and designing survey plans under the Formerly Utilized Sites Remedial Action Program (FUSRAP); lead a Navy Base Realignment and Closure (BRAC) Office Tiger Team review of ongoing radiological cleanup at Hunter's Point Shipyard in San Francisco; developed site characterization and risk assessment strategies for depleted uranium firing ranges for the Army's Joint Munitions Command; assisted the termination of NRC commodities licenses at the Seneca Army Depot; conducted risk assessments for drinking water systems and prepared chemical detection and fate summaries for the EPA National Homeland Security Research Center; and lead the preparation of environmental impact statements for several electrical transmission line projects, while contributing to several others related to renewable energy development and distribution.

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 remediation and facility D&D

Professional Activities:

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

Publications:

Author or co-author of 60+ journal, book chapter, report, and conference publications.