

MARY H. PICEL

DOE Missouri Remedial Action Program
Environmental Science Division
Argonne National Laboratory

Education:

M.S. University of Michigan, Environmental Health Sciences, 1979
B.S. University of Santo Tomas, Manila, Biochemistry, 1973

Professional Experience:

1989-Present Environmental Health Scientist/Project Leader
Environmental Science Division
Argonne National Laboratory

Project manager for the Weldon Spring project at ANL/EAD since 1993; was ANL project lead for the St. Louis (FUSRAP) site previous to 1993. Planned and implemented project scope to provide the appropriate environmental evaluation and documentation to meet regulatory requirements (e.g., CERCLA, RCRA, NEPA). Identified appropriate technical staff to form teams for various project tasks; provided technical direction to team members in producing timely deliverables that are within scope and budget.

Identified data requirements, developed statistically based and streamlined plans for data collection, interpretation, and management following established protocols such as those from the EPA. Implemented the *Data Quality Objectives (DQOs)* approach for data acquisition in support of the remedial investigation/feasibility study (RI/FS) processes required via CERCLA.

Developed the risk assessment approach in addressing potential exposure from contaminated media including groundwater. Primary author of several Baseline Risk Assessment reports that have received regulatory approvals. Implemented EPA recommended approaches (such as those found in "RAGS") to conducting risk assessments.

Directed the remedial technology and alternative identification and screening effort in order to support evaluations presented in feasibility study reports that meet CERCLA requirements. Derived preliminary remediation goals for use in alternative evaluation and selection.

Served as Section Manager for the Environmental Chemistry Section; provided technical and administrative oversight to technical staff engaged in environmental

chemistry, waste management, site characterization, fate and transport, and environmental analytical data evaluations in support of various projects at EAD.

Summary of Previous Experience:

1986-1989 Scientific Associate, Organic Analysis
Analytical Chemistry Laboratory
Chemical Technology Division
Argonne National Laboratory

Developed environmental methods and performed general trace organic analyses using gas chromatography and gas chromatography/mass spectrometry. Developed and implemented CLP procedures and requirements for organic analysis at ANL. Conducted analytical research for more sensitive and accurate identification of dioxins.

1981-1982 Teaching Assistant
School of Public Health
University of Michigan

Conducted research on gas chromatographic methods for environmental analysis, planned and directed sessions for environmental chemistry courses at the School of Public Health, University of Michigan.

1979-1981 Section Supervisor, Inorganic Chemistry
Environmental Research Group
Ann Arbor, Michigan

Supervised analysts in an environmental consulting laboratory; implemented EPA analytical protocols and quality assurance measures.

Research Interests:

Fate and transport of Environmental Contaminants
Risk Assessment/Exposure Assessment
Remediation Technologies

Professional Activities:

Member of the Society of Risk Analysis and the American Chemical Society
EPA Risk Assessment Training; Media Training
Hewlett Packard GC/MS Operator Training; OSHA 40-Hour Safety Training

Publications:

Author of 25+ journal, book, report and conference publications.