



Nuclear Regulatory Commission  
Exhibit # - NRC000158-MA-BD01  
Docket # - 07007015  
Identified: 07/12/2011

Admitted: 07/12/2011  
Rejected:

Withdrawn:  
Stricken:

NRC000158

**Kurt Picel**  
**Statement of Professional Qualifications**

**CURRENT POSITION**

Environmental Scientist  
Environmental Health Risk Section  
Environmental Science Division  
Argonne National Laboratory  
Argonne, IL

**EDUCATION**

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

**PROFESSIONAL**

American Chemical Society, Member  
Sigma Xi, Member

**QUALIFICATIONS**

Dr. Picel is an Environmental Health Scientist with over 31 years of work experience, principally at Argonne National Laboratory (Argonne). He works in the areas of environmental health risk assessment, environmental remediation of radiologically and chemically contaminated sites, environmental impact assessments for energy production and transmission related facilities, and cumulative environmental impacts analyses. His expert areas include environmental health risk assessment, sampling design for site characterization and environmental monitoring, environmental and analytical chemistry, hazardous waste management, and cumulative environmental impacts assessment.

As an Environmental Scientist for Argonne's Environmental Science Division (1992-present), Dr. Picel is responsible for preparing health risk assessments for hazardous waste sites, reviewing sampling plans, reviewing laboratory and field data, reviewing remedial action selection and design, assessing health risks from chemical exposures, reviewing environmental monitoring plans, and performing cumulative risk assessments. Recently, he worked on the Environmental Impact Statement (EIS) for the proposed Global Laser Enrichment (GLE) facility in North Carolina, the EIS for the Eagle Rock uranium enrichment facility in Idaho, and the Programmatic EIS (PEIS) for Solar Energy Development on Public Lands in the Six Southwestern States. For the GLE and Eagle Rock projects, he was responsible for evaluating the health risks from chemical exposures to workers and members of the public during routine operations and under accident conditions, assessing cumulative impacts, and reviewing the chemical monitoring programs. For the Solar PEIS, he was responsible for assessing cumulative impacts.

Prior to his current position, Dr. Picel worked as an Assistant Environmental Scientist in the Environmental Research Division at Argonne (1986-1991), performing research on the environmental fate and effects of energy-related and industrial chemical contaminants. His responsibilities included setting up and operating a state-of-the-art organic chemistry analytical laboratory and performing fate studies on organic contaminants.

From 1985 to 1986, Dr. Picel was a Postdoctoral Fellow in the Energy and Environmental Systems Division at Argonne, conducting studies of coal liquids as part of a research team examining the health and environmental effects of alternative fuels. Major responsibilities included developing, planning, and conducting research on the aquatic fate of coal liquids. From 1983 to 1985, Dr. Picel was a doctoral candidate at the University of Michigan while performing doctoral research on this same topic at Argonne.

Prior to his graduate study, Dr. Picel worked for Environmental Research Group, an environmental consulting firm in Ann Arbor, Michigan (1979-1983), performing analyses of environmental samples under U.S. Environmental Protection Agency protocols. For the last two years at this company, Dr. Picel was the supervisor of the gas chromatography/mass spectrometry analysis section.

Dr. Picel has written or contributed to over 40 published technical reports, 10 papers published in high-rated, peer-reviewed journals or as book chapters, and 14 published conference papers, and has made over 25 presentations to professional conferences and workshops.