

SUSAN GAIL BARISAS

Environmental Science Division
Argonne National Laboratory

Education:

M.S. Iowa State University, Water Resources–Agricultural Engineering, 1975
B.A. Grinnell College, Biology, 1973

Professional Experience:

1978–Present Program Manager/Director Washington, DC Office
Environmental Science Division
Argonne National Laboratory

Integrates and coordinates selected programs and business development activities within the DC Office and between the DC Office and other Laboratory groups. Provides leadership and oversight for administrative support functions in the 30 person D.C. Office, including the Work Project budget.

Provides support to Department of Homeland Security's Office of Infrastructure Protection in the development of the Commercial Facilities Sector Specific Plan. Interacts with government and private sector stakeholders to define sector characteristics and relationships, establishes approaches to assess risks, develops protective programs, measures program effectiveness and addresses R&D requirements.

Develops papers on common vulnerabilities and protective measures for critical infrastructure sectors for the Department of Homeland Security. Conducts site assistance visits at critical infrastructure facilities to identify and evaluate infrastructure dependencies and vulnerabilities.

Program manager for development of environmental, safety, and health assessment program for Social Security Administration. Developed protocols incorporating environmental and safety regulations, ISO Environmental Management System standards and OSHA Partnership Evaluation Criteria.

Provides technical support to the Department of Energy's Highly Enriched Uranium Transparency Program. Support the day-to-day management of a Transparency Monitoring Office (TMO) in Novouralsk, Russia, established to monitor the blending down of highly enriched uranium from Russian nuclear weapons to low enriched uranium suitable for commercial nuclear reactors. Collect and analyze data on TMO monitoring activities.

Lead role in developing a multi-year program plan for the DOE National Risk Program. Responsible for integration and analysis of risk-related projects into a single strategic planning document. Lead role in evaluating uncertainty and risk in NEPA analyses and in comparing risk assessment methodologies used in different planning initiatives.

Program manager for environmental survey and audit programs. Responsible for conducting audits and managing interdisciplinary audit and appraisal teams at major DOE installations. Developed guidance manuals and audit protocols to be used by DOE facilities, field organizations, and Headquarters in conducting environmental protection appraisals.

Program manager for property transfer assessment projects for the Department of Commerce and DOE. Developed guidance manuals for addressing technical and regulatory property assessment issues and conducted site assessments.

Principal investigator for a variety of waste management projects. Developed a hazardous waste and materials management plan for a U.S. Government facility. Analyzed problems associated with energy wastes and evaluated applicability of treatment and disposal options used by the petroleum refining and coking industries to synthetic fuel facilities. Evaluated technologies for treatment and disposal of polychlorinated biphenyl wastes. Evaluated the regulatory impact of the Resource Conservation and Recovery Act on energy facilities.

Lead role in regulatory analysis and policy studies. Responsible for a state survey to identify regulations and standards that apply to naturally occurring radioactive materials. Evaluated regional issues and environmental impacts associated with national energy scenarios and evaluated environmental policies and regulations in Argentina as part of an International Energy Development Program. As the program manager for environmental audit and assessment programs, evaluated the complete range of environmental regulations and their applicability to specific sites. Developed environmental compliance handbook for a DOD installation undergoing remediation.

Section manager for Environmental Compliance and Management section. Responsible for technical project development and coordination with other Division Groups. Supervised technical staff involved in environmental assessment, audit, and restoration programs.

Summary of Previous Experience:

1975–1978 Iowa Natural Resources Council, Des Moines, Iowa

Evaluated data on water requirements for energy production, commercial and recreational navigation, and water quality for a State Comprehensive Water Plan. Evaluated problems and conflicts involved in meeting these requirements.

Publications:

Author of 25+ journal, conference and report publications.