

## **WILLIAM RICHARD GASPER**

Physical Science Section  
Environmental Science Division  
Argonne National Laboratory

### **Education:**

M.P.H. University of Illinois at Chicago, School of Public Health;  
Environmental, Occupational Health and Safety; 1991  
B.A. Monmouth College; Geology; 1974

### **Professional Experience:**

2001-Present Project/ESH Coordinator  
Environmental Science Division  
Argonne National Laboratory

Serves as the Environmental Science Division's Environmental, Safety and Health Coordinator; Environmental Compliance Representative; Chemical Hygiene Officer; Seal Radiological Source Custodian and Inventory Database Coordinator; and as a Authorized Derivative Classifier. He is also served as the Building 900 Area Emergency Supervisor.

Provided technical support and assistance to the Infrastructure Assurance Center's Site Assistance Visit Program in support of the Department of Homeland Security project.

Conducted management and environmental, safety and health assessments for the Social Security Administration. The team developed the assessment program for the Social Security Administration including the protocols incorporating environmental and safety regulations, ISO Environmental Management System Standards and OSHA Partnership Evaluation Criteria.

1983-2001 Assistant Environmental Systems Engineer  
Environmental Assessment Division  
Argonne National Laboratory

Performed environmental compliance audits at hazardous waste treatment, storage and disposal facilities used by Rocky Mountain Arsenal. Team member on the TechCon project to assist in connecting DOE's site-specific environmental management needs with private industry capabilities and public sector experience. Deputy Program Manager of ANL's support of the 911-BIO Consequence Management Advanced Concept Technology Demonstration (ACTD) for the U.S. Army's Deputy to the Assistant to the Secretary of Defense for Counterproliferation and Chemical and Biological Defense Programs. Developed, designed, coordinated and taught five training courses for DOE's Office of Emergency Preparedness, EP-23. Participated on one of the President's Commissions on Critical Infrastructure, Protection Infrastructure Sector Teams (PCCIP) that was responsible for researching and developing a detailed report on New York City's Emergency Services Infrastructure. Developed a project to assist DOE to define and establish a chemical/biological consequence management program that would be applicable throughout the DOE complex. Participated in the U.S. Air Force's Environmental Compliance

Assessment and Management Program (ECAMP); established ANL's role as the leader in supporting the Air Force's Base Closure Environmental Assistance Team (BCEAT) program. Participated in Staff Assistance efforts at overseas Air Force Bases and performed Environmental Reviews (ER) and Internal Environmental Compliance Assessments. Managed ANL radiological emergency preparedness support to the Federal Emergency Management Agency (FEMA); primary contact for four of the ten Federal Regions. Assisted in the design and implementation of a new emergency response exercise methodology. Conducted formal technical reviews of emergency response plans for various technological hazards. Authored two FEMA REP series documents to become FEMA policy/guidance. Participated in the joint DOE Headquarters/Savannah River Project emergency response exercise. Assisted in DOE's first major joint onsite-offsite hazardous materials exercise at the Feed Materials Production Center at Fernald, Ohio. Developed volatile organic compound emission inventories at numerous U.S. Air Force installations. Conducted and wrote environmental assessments for the Rocky Mountain Arsenal. Assisted in identifying and evaluating national research efforts and data bases on performance and environmental characteristics of emerging fossil energy technologies. Developed and updated databases for the Great Plains Coal Gasification Project in Beulah, North Dakota.

### **Summary of Previous Experience:**

1980-1982      Energy and Environmental Systems Division  
                    Argonne National Laboratory

Participated in activities associated with the Federal Emergency Management Agency, Natural and Technological Hazards Division, Radiological Emergency Preparedness Branch. Assisted in the development of data bases and assessment models of the Technology Assessment of Solar Energy project. Developed a national/regional assessment and discussion format concerning the potential for both benefits and damages to future ambient air quality as a result of displacing other technologies with increased solar technologies. Assisted in the formulation of the data base for AQUAS, a water screening quality model. Principal investigator and correspondent in the updating of the Generating Unit Reference File (GURF). Responsible for the research and development of a Low Level Radioactive Waste Management Environmental Development Plan for DOE.

### **Research Interests:**

Environmental remediation/restoration technologies  
Chemical and biological consequence management  
Environmental safety and health issues  
Emergency planning and response for natural and technological hazards  
Environment compliance studies, investigations and audits  
Geographic information systems application and development

### **Publications:**

Author or co-author of over 220 reports and conference publication and presentation.