

**Terri L. Patton**  
**Statement of Professional Qualifications**

**CURRENT POSITION**

Geologist  
Physical Sciences Section  
Environmental Science Division  
Argonne National Laboratory  
Argonne, IL

**EDUCATION**

M.S., Geology, Northeastern Illinois University  
B.S., Geology, Southern Illinois University

**PROFESSIONAL**

Geological Society of America, Member  
National Water Well Association, Member

**QUALIFICATIONS**

Ms. Patton is a geologist with over 20 years experience working with Federal agencies. During this time, she has been responsible for evaluating geological and hydrological data for site characterizations, remedial investigations, feasibility studies, and environmental impact statements (EISs). Her expert areas include geology, physiography, soil resources, water resources, energy and mineral resources, geologic hazards, coastal processes, cumulative impacts, and impact mitigation.

As a geologist in the Argonne National Laboratory (Argonne) Environmental Science Division, her work involves impact assessments for EISs related to energy development and waste management on public lands and for more project-focused EISs related to other major Federal actions such as the renewal of nuclear power plant operating licenses. She has worked on the license renewal Supplemental EISs for three nuclear plants: Vermont Yankee, Palo Verde, and Crystal River. For these projects, she was responsible for evaluating impacts to water resources. Also, she prepared the geology and soils and water resources sections of the EIS for the Eagle Rock uranium enrichment facility. Other recent projects cover a wide range of geologic settings (e.g., glacial, alluvial, coastal, volcanic, and continental shelf) and relate to solar energy development, wind energy development, the designation of energy corridors, and renewable energy development of the outer continental shelf.

Prior to her current position, Ms. Patton worked as a research assistant (1986-1989) in Argonne's Environmental Research Division, where she performed laboratory experiments to study the partitioning behavior of various radionuclides in the environment. As part of this work, she developed a method for measuring tin fission products in sediments. Before coming to Argonne, she worked for Teledyne Isotopes (1983-1986), where she performed radiochemical analyses in support of the monitoring programs for nuclear power plants across the U.S.

Ms. Patton has written or contributed to over 60 technical reports, journal articles, conference publications, and presentations.