



## CATHRYN R. STEWART, P.G.

### EDUCATION:

M.E., Geographic Information Systems, University of Colorado, Denver, Colorado  
M.S., Geology, West Virginia University, Morgantown, West Virginia  
B.A., Geology, Smith College, Northampton, Massachusetts

### PROFESSIONAL LICENSES AND CERTIFICATIONS:

Certified Professional Geologist (AIPG)  
Professional Geologist (PG), California, Nebraska, Pennsylvania, Utah, Wyoming  
Certified Water Well Monitoring Technician, Nebraska

### PROFESSIONAL TRAINING:

40-Hour Training for Hazardous Waste Operations and Emergency Response (HAZWOPER)  
Certificate of Hydrology, Oklahoma State University  
American Red Cross Standard First Aid and Adult CPR

### PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS:

American Association of Petroleum Geologists  
American Institute of Professional Geologists  
Association for Women Geoscientists  
Geological Society of America  
National Groundwater Association  
Rocky Mountain Association of Geologists  
Solid Waste Association of North America (SWANA)  
Colorado Hazardous Waste Management Society (CHWMS)

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### CURRENT PROFESSIONAL INVOLVEMENT: 1997 - present, AquAeTer, Project Hydrogeologist

Ms. Stewart has extensive experience with permitting and environmental monitoring for municipal solid waste landfills, including active and closed landfills through the Rocky Mountain States. Her experience also includes underground storage tank removal and remediation, and environmental assessments for industrial and oil producing facilities. Her sixteen years of experience in groundwater and petroleum and coal geology include a comprehensive background in field investigation, subsurface mapping, well location, and the successful recovery of targeted fluids.

### PRIOR PROFESSIONAL INVOLVEMENT:

1995-1997 SCIENTECH, Inc./Grant Environmental, Inc., Project Hydrogeologist  
1992-1995 James L. Grant and Associates, Inc./Grant Environmental, Project Hydrogeologist  
1980-1991 Cities Service and OXY USA, Petroleum Geologist  
1978-1980 West Virginia University, Physical Science Teaching Assistant and Researcher  
1977 Bethlehem Mines Corporation, Coal Geologist

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### AREAS OF EXPERTISE:

#### Environmental Geology

Hydrogeologic characterization for MSW landfills  
Landfill gas monitoring and reporting  
Underground storage tank projects  
Environmental site assessments & solid waste facility problems  
Soil description & classification  
Drilling and installation of piezometers  
Groundwater monitoring wells  
Analysis of soil and groundwater quality data  
Mapping potentiometric surfaces  
Identifying extent of contamination

#### Exploration Geology

Subsurface mapping & modeling of depositional environments  
Coordination of well design to optimize drilling  
Providing expert testimony on compliance  
Supervising on-site well sampling  
Well testing  
Logging & interpretation of borehole logs and well tests  
Preparing geological exhibits  
Handling of aquifers, treatment of reservoirs, and solving drainage and fluid migration problems