



## GARY L. VANDERSLICE, P.G.

640 PLAZA DRIVE, SUITE 170 HIGHLANDS RANCH, COLORADO 80129  
(303) 350-4090

### POSITION

**Senior Project Manager, Lytle Water Solutions<sup>LLC</sup>**

### EDUCATION

B.S. Geology, Iowa State University, Ames, Iowa, 1982.

Environmental Studies, University of Nebraska, Omaha, Nebraska, 1988.

### PROFESSIONAL REGISTRATION

**Registered Professional Geologist in:**

Wyoming #1738



### PROFESSIONAL MEMBERSHIP

American Water Works Association  
Ground Water Protection Council

Colorado Ground Water Association

### PROFESSIONAL EXPERIENCE

- ◆ Senior Project Manager, Lytle Water Solutions, LLC, Highlands Ranch, Colorado, June 2013 - Present.
- ◆ Director of Environmental Assessments, Higgins and Associates, LLC, Englewood, Colorado, 2007 - 2013.
- ◆ Owner, New Image LLC (GIS map products), Centennial, Colorado, 2005 - 2010.
- ◆ Manager, ENVIRON International Corp., Denver, Colorado, 2005 - 2007.
- ◆ Director, Pontius Water Consultants, Lakewood, Colorado, 2006.
- ◆ Technical Source Water Expert, Colorado Rural Water Association, Centennial, Colorado, 2004 -2005.
- ◆ Environmental & Source Water Program Manager, EnecoTech Inc., Denver, Colorado, 1995 - 2004.
- ◆ Supervising Project Manager, Geotechnical Services, Inc., Denver, Colorado, 1990 - 1995.
- ◆ Project Scientist, HDR Engineering, Inc., Omaha, Nebraska & Denver, Colorado 1988 - 1990.

- ◆ Structural Geologist, Environmental Science & Engineering, Denver, Colorado, 1987 - 1988.
- ◆ Engineering Field Geologist, Geotechnical Services, Inc., Omaha, Nebraska, 1983 - 1987.

## PROJECT EXPERIENCE

Mr. Vanderslice has over 29 years of diversified project experience in conducting environmental, water resources, and geotechnical projects throughout the United States. This experience includes:

- Environmental Due Diligence – Supervised and performed due diligence assessments for over 500 industrial, commercial, and agricultural properties. Maintained expertise with ASTM E 1527 standards. Served clients for acquisitions, divestitures, and leases.
- Mines - Performed assessments and remediation for metals mines and quarries:
  - Provided remediation oversight at the California Gulch site in Leadville, CO.
  - Site characterization for remediation of 50,000 cubic yards of hazardous waste in Douglas County, Nebraska.
  - Conducted geophysical studies of sand/gravel pits and rock quarries
- NPDES Permits - Prepared permit applications and was responsible for water treatment and effluent sampling as required by the permits.
- RCRA and CERCLA Projects - Lead investigator for landfills, metals processing facilities, power plants, pesticide and nerve gas plants, fertilizer plants, railroad yards, agricultural properties, medical centers, refineries, & oil/gas extraction well fields.
  - Lead scientist to characterize metals impacts to soil and air at a former battery manufacturer that involved over 50,000 cubic yards of EP Toxic waste.
  - Structural geologist for assessing the Rocky Mountain Arsenal via developing cross-sections, fence diagrams, structure contours, & isopach maps.
- Investigation/Remediation Projects - Project manager for 400 site investigations and 45 remedial actions. These projects involved:
  - Site characterization reports,
  - Evaluation of receptors and risk-based corrective action goals
  - Evaluation of vapor migration and indoor air quality,
  - Feasibility studies (technical & cost),
  - Corrective action plans,
  - Technical specifications and contractor solicitation, and
  - Installation and operation of the selected remedies (soil vapor extraction, air sparging, excavation, in-situ chemical oxidation, dual-phase extraction, monitored natural attenuation, etc.).

## PROJECT EXPERIENCE *(Continued)*

- Initiated creation of source water programs, as the prime contractor's program manager, to assess over 10,000 water sources throughout Colorado & Oklahoma.
- Project Manager for Custom Software Development - 4 years experience leading programmers, database & GIS professionals to develop extensible software modules.
- Developed databases & GIS for conducting a nitrate study in the urban Denver segments of the South Platte River.
  - Collected data on dischargers, non-point source land uses, septic systems, & businesses.
  - Developed time-series and box-whisker plots to correlate the relationship between stream flows and water quality.
- Contractor Management:
  - Wrote specifications, solicited bids, and managed contractors for drilling, geophysical surveys, laboratory services, installation of remediation systems, excavation, and surveying, database development, and custom-GIS applications. Engineering geologist for pre-construction investigations for construction of approximately 100 miles of roads, 200 buildings, and 10 flood-control earth dams.
- Drilling & Well Installation:
  - Directed crews using auger, direct push, rotary, & rock coring methods for 25+ miles of borings.
  - Designed, installed, developed, and sampled hundreds of monitoring and recovery wells (2"-24").
- Mapping of surface & subsurface conditions:
  - Soil type, rock type, weathering, seeps, erosion, fracture patterns, faults, joint orientation, etc.
  - Created contour maps, cross-sections, fence-diagrams, isopachs, hydrographs, and flow nets.
- Geophysics - used various methods to evaluate lithology, water depths, & anomalies:
  - Evaluated downhole resistivity, spontaneous potential, & gamma logs.
  - Collected & evaluated surface seismic and resistivity data.
- Used various modeling and statistical software to evaluate surface & subsurface characteristics, aquifer properties and capture zones, impacts from organic compounds, contaminant plume migration, & changes in land use.

## SELECT PRESENTATIONS/PUBLICATIONS

“Effective Perspectives for Source Water Protection,” presented at National Rural Water Association annual conference, Biloxi, Mississippi, June 2005.

Community Source Water Protection Team Meetings - presented to 18 public water systems throughout Colorado, 2004 - 2005.

“Decision Support System for Local Governments to Manage Environmental Issues,” presented at Environmental Health seminar, Jefferson County, Colorado, January 2004.

“Use of Websites, Databases, and Software Applications to Expedite Protection Measures,” presented at the Ground Water Protection Council annual conference, Niagara Falls, NY, September 3, 2003.

“Comparison of Colorado and Oklahoma Statewide Source Water Assessment Programs,” presented at American Water Works Association Conference, Albuquerque, New Mexico, October 2002.

“Building Green Communities to Protect Water Resources,” presented at Association of State Drinking Water Administrators annual conference, Portland, Oregon, October 1, 2000.

“Economic Benefits of Proactive Environmental Planning,” presented at Environmental Data Resources management seminar, Bridgeport, Connecticut, May 1999.