

THOMAS J. KARNUTA, P.G.
Principal Geologist

EXPERIENCE

- Mr. Karnuta has been the Principal Geologist with Mountain Engineering & Testing, Inc. for six years with over 17 years of experience. His responsibilities include performing geotechnical studies for residential and commercial projects, highways, bridges, pipelines and dams. He conducts geotechnical and geological field investigations, performs geotechnical laboratory testing, and prepares geotechnical engineering study reports. He performs geologic mapping to identify and mitigate geologic hazards for subdivisions and other civil engineering projects. In addition, he performs construction observation and materials testing services on various types of building materials and construction projects.
- Mr. Karnuta specializes in geologic hazard and hydrologic assessments for residential subdivisions. These reports include evaluation of site hydrogeology, water quality, predicted depth of ground water, estimated well yield and consumptive use values for the proposed site.
- Recent project work includes: Field investigation for slope stability analysis of a residence in Chaffee County, Geotechnical Engineering Study of the La Veta Water Storage Tank and Treatment Facility, Homestake Pipeline Corrosivity Testing and Geologic Mapping, the Ruxton Creek Pipeline, Geologic Suitability Studies of numerous subdivisions, and testing for foundations and individual sewage disposal systems for commercial and residential projects in Chaffee and surrounding counties; Otero Pumping Station Expansion, Colorado Springs Utilities; Twin Rock Pumping Station, CH2M Hill Constructors; Lower Homestake Parallel Pipeline Project, Colorado Springs Utilities; and Water Mains in Powers Boulevard, Colorado Springs Utilities.

REGISTRATION/ASSOCIATIONS

American Institute of Professional Geologists

Association of Engineering Geologists

Professional Geologist: Colorado

Professional Geologist: Wyoming

Certified Professional Geologist: American Institute of Professional Geologists

Troxler Electronic Laboratories – Nuclear Gauge Safety Training Program

OSHA – 40 Hour Hazardous Waste Operations and Emergency Response Site Worker Training

CDOT – Erosion Control Supervisor Training

EDUCATION

M.A., Earth Science, University of Northern Colorado, 1992

B.A., Earth Science, University of Northern Colorado, 1990

Graduate Level Continuing Education: Geologic Engineering Principals, University of Idaho

Engineering Properties of Soils, University of Idaho

PUBLICATIONS

Abbot, D.M., Wray, L.L., Karnuta, T.J., 1996, "Suggestions for a career in Geology", in Reflections of a Geologic Career, American Institute of Professional Geologists, Colorado Section, p. 4-8.

Karnuta, T.J., 1995, "Road and Riverside Geology of the Upper Arkansas Valley, Colorado", 142 p.