

PATRICK J. MULCAHY, P.G.

200 Lashley Lane, Boulder, Colorado 80305, (719) 650-9697

mulcahy.patrick.geo@gmail.com

LICENSURE: Licensed Professional Geologist in the State of Wyoming, PG-3619

WORK EXPERIENCE:

2013 **Carpenter Assistant/Owner, NiVek Contracting, Boulder, CO**

- Carpenter assistant for various residential remodeling projects in Boulder, Colorado

2007-2013 **Project Manager/Senior Environmental Scientist, AECOM, Denver, CO**

- Construction manager/client oversight for the construction of the SEACOM fiber optic sea cable transfer station in Dar Es Salaam, Tanzania Africa. Oversight of the implementation of the health and safety practices, excavation activities, structural steel placement, concrete production and placement, and backfill material placement
- Health and safety manager and assistant field manager for a \$10M performance based contract at former Point Lay Air Force Station, Alaska
- Remediation construction manager for various remediation projects for remedial systems for Suncor Refinery, located in Commerce City, Colorado
- Project manager for site investigation activities at Peterson Air Force Base, located in Colorado Springs, Colorado
- Field manager for a multiple UST Site Investigation for Clear Air Force Station, Clear, Alaska

2005-2007 **Geologist/Construction Oversight, RMG Engineers, Inc., Colorado Springs, CO**

- Lead geologist responsible for on-site foundation design recommendations, retaining wall installation inspection, and earthwork specifications for various commercial and residential projects
- Construction oversight of the renovation and reconstruction of a private dam in Meeker, CO
- Performed geotechnical subsurface investigations and data evaluation for various projects
- Lead geologist for the subsurface investigation for the Ginn Ski Resort, Minturn, CO

2001- 2003 **Project Manager, C&W Environmental, LLC, Buffalo, NY**

- Managed the drilling services including contract bidding, scheduling, client and subcontractor billing, and drilling operations support
- Managed numerous UST closures and site restorations
- Oversight of soil boring and monitoring well installations for various projects
- Responsible for Phase I, II, and III ASTM Environmental Site Assessments, work proposals, evaluation of analytical data, and report preparation

1998-2001 **Project Geologist, GZA GeoEnvironmental of New York, Buffalo, NY**

- Construction oversight of the installation of clay and gravel liner system for a construction and debris landfill, Niagara Falls, New York
- Construction oversight of concrete piping, H-pile installation, and marine pre-cast caisson installation at Bath Iron Works located in Bath, Maine
- Construction manager for the excavation activities of PCB and barium contaminated soils in Etobicoke, Ontario Canada
- Supervised the implementation of environmental compliance for the decommissioning of an industrial plant

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- 1997 **Civil Engineering-Technician, ONSITE Environmental Staffing, Rochester, NY**
- Construction oversight responsible for site inspection of expansion of a Bon-Ton department store, Jamestown, New York
 - Conducted field testing of concrete, in-place nuclear moisture/density testing of soils, and inspection of structural steel
- 1995-1996 **Construction Foreman, Valerino Construction Inc., Rochester, NY**
- Supervised the excavation and grading operations for the structural footing and finish floor installation, and
 - Supervised the backfilling and soil compaction at the Tops Supermarket warehouse facility, Buffalo, New York
 - Operated skid steers, wheeled vibratory compactors, rubber-tired back-hoes, front-end loaders, and excavators
- 1995 **Civil Engineering-Technician, Pulley Engineering, Lancaster, NY**
- Managed the site inspection for the construction of a Wal-Mart department store, Hamburg, New York
 - Performed field testing of concrete and nuclear moisture/density tests of soils and asphalt
- 1993-1995 **Civil Engineering-Technician, Huntingdon-Empire Soils Investigation, Rochester, NY**
- Responsible for quality control inspection of New York State DOT concrete, pre-cast concrete, and asphalt batch plants
 - Oversight of the construction of post-tension pre-cast concrete panels in Williamsport, Pennsylvania for the City School District of Rochester, New York
- 1990 -1991 **Quality Control Technician, Rochester Asphalt Materials, Rochester, NY**
- Conducted quality control and quality assurance testing of aggregate and asphalt product during summer construction season.

EDUCATION:

D'YOUVILLE COLLEGE, Buffalo, NY

Masters of Science in Adolescence Science Education, December 2004

STATE UNIVERSITY of NEW YORK at BUFFALO, Buffalo, NY

Coursework in Environmental Engineering, 1998-1999

BUFFALO STATE COLLEGE of NEW YORK, Buffalo, NY

Bachelor of Science in Geoscience, May 1998

MONROE COMMUNITY COLLEGE, Rochester, NY

Coursework in Civil Technology, 1989-1991

Training:

- OSHA 40-hour Hazardous Materials and Waste Site Operations Course
- OSHA 8-Hour Supervisor - Hazardous Materials and Waste Site Operations Course
- Safety Training: SafeLand, Chevron Loss Prevention System, and Suncor ARSC Basic
- AutoCAD 2005, MicroSoft Access, Word, Excel, and Planner
- Survey Equipment: Trimble GeoEplorer GeoXR and Trimble GNSS Rover and Base Station Receiver