

## MATTHEW M.A.C. (MAC) JONES

Staff Engineer - Raleigh, NC

### Academic Credentials:

B.S. Environmental Technology & Management, 2016,  
North Carolina State University,  
Raleigh, NC

M.S. Environmental Engineering, 2020  
University of Colorado at Boulder, Boulder, CO

### Professional Credentials and Certifications:

OSHA 40 Hour HAZWOPER  
Associate Professional Soil Scientist  
Soil Science of America

### Employment Record:

2020 - Present - Smith Gardner, Inc.  
2016 - 2017 - North Carolina State University

### Areas of Expertise:

Groundwater Remediation  
Odor Control  
Environmental Toxicology

### Publications:

Jones, Matthew, "Quantifications of Trace Metal Loading within a Mineralized Watershed and a Changing Climate, Warden Gulch, Summit County, Colorado" - Disertations & Thesis at the University of Colorado, Boulder, 2020



Mr. Jones has experience with environmental odor management, water quality testing, groundwater remediation, stormwater and erosion planning and permitting, and gas monitoring data analysis.

Mr. Jones is a graduate of University of Colorado at Boulder receiving his master's degree in Environmental Engineering and from North Carolina State University receiving his bachelor's degree in Environmental Technology and Management.

He chose to pursue an environmental technology and management degree after discovering interests in soil, water quality, and hydrology.

As an undergraduate, Mr. Jones was a research technician and conducted bench scale, hydrogeochemical experiments to determine the transport fate of arsenic with environmental systems and aquifers. He conducted biogeochemical experiments to evaluate zinc removal isolated from a groundwater remediation system at a SuperFund site. Mr. Jones also oversaw daily lab operations, including lab safety training and hazardous waste disposal.

After completing his environmental technology and management degree, Mr. Jones continued on to pursue a master's degree in Environmental Engineering focusing on water quality, environmental toxicology, and soil science. During his work as a water quality intern with the Boulder Waterkeepers, Mr. Jones analyzed water quality data for the Upper Boulder Creek Watershed and developed a comprehensive report of water quality issues and assessed their relations to legacy mining activities.