

## 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:

Air Quality Permitting and Compliance  
Erosion and Stormwater Management  
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

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

Staff Engineer - Raleigh, NC



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, hydrology, and environmental chemistry and the roles they play in our society today.

As an undergraduate, Mr. Jones conducted bench-scale biogeochemical experiments to evaluate the effectiveness of zinc removal by fungal produced manganese oxides isolated from a groundwater remediation system at a Superfund site. Following his undergraduate studies, he was a research technician at North Carolina State University where he conducted bench-scale, hydrogeochemical experiments to determine the fate and transport of arsenic within a variety of environmental systems. 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 hydrology and water quality of natural systems. His thesis work evaluated natural and anthropogenic controls on trace metal loading to high alpine streams of the Rocky Mountains. 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.

As a staff engineer at Smith Gardner, Mr. Jones has developed his skills supporting a variety of projects including air quality permitting, LFG monitoring and compliance, stormwater and erosion permitting, and environmental odor management.