

**APPENDIX E
CREDENTIALS**

CHARLES A. COVINGTON

FIELD GEOLOGIST

PROFESSIONAL EXPERIENCE

Mr. Covington currently serves as a Field Geologist for Terracon's Longmont, Colorado office with over 2 years of environmental consulting and regulatory compliance experience. Primary responsibilities include managing project services related to Phase I Environmental Site Assessments (ESAs), Limited Site Investigations (LSIs), vapor mitigation assessments, soil and groundwater sampling, soil logging and classification, operations and maintenance of various remediation systems, field documentation, and reporting.

Mr. Covington also has experience with local, state, and federal environmental supervisory agencies concerning matters of environmental laws and regulations. Mr. Covington worked extensively with the Virginia Department of Environmental Quality on environmental compliance, as well as permitting for multiple concrete production facilities and active mine sites.

PROJECT EXPERIENCE

Wyoming Department of Environmental Quality (WDEQ)

Mr. Covington has been responsible for field related duties for multiple Wyoming Department of Environmental Quality (WDEQ) UST Fund sites across southeastern and southwestern Wyoming totaling approximately 40 sites in various stages of remediation. Responsibilities included, all Phase II soil and groundwater investigation services, including monitoring well installation, soil boring installation, soil and groundwater sampling, and data review. Mr. Covington is also responsible for operations and maintenance duties of various remediation systems.

Phase I Environmental Site Assessments

Mr. Covington has conducted multiple Phase I ESAs and contamination assessments for commercial, industrial, government, and residential entities across the State of Colorado. Mr. Covington is familiar with the current ASTM standard procedures for conducting Phase I ESAs.

Various Site Assessments/Investigation (Northern Colorado)

Mr. Covington has performed various site assessment and investigation services at numerous sites across northern Colorado including soil and groundwater assessments, hazardous materials investigation services, and sediment and surface water sampling, data review, and associated reporting.

Education

*Bachelor of Science, Geology
James Madison University, 2015*

Certifications

*40 Hour OSHA Hazardous Waste
Operations Training, 2015*

*HAZWOPER 8-hour Annual
Refresher Course - Current*

*ACI Field Concrete Testing
Technician-Grade I*

Affiliations

Geological Society of America

American Concrete Institute

Work History

*Terracon Consultants, Inc., Field
Geologist, Longmont, Colorado
July 2018 - Present*

*Essex Concrete / Aylett Sand &
Gravel, Staff Geologist,
Tappahannock, Virginia
September 2016 - March 2018*

JOHN C. GRAVES, P.G.

OFFICE MANAGER / PRINCIPAL

PROFESSIONAL EXPERIENCE

Mr. Graves has over 16 years of experience as a geologist and 13 years of experience performing environmental, geotechnical, and materials engineering services. Mr. Graves is responsible for the management of Terracon's offices in Fort Collins and Greeley, Colorado, including business development, resource allocation, and client services throughout northern Colorado and Wyoming. As an Environmental Geologist, Mr. Graves provides senior project management, technical review, and quality assurance for an array of environmental compliance services as well as assisting with the project management and completion of geotechnical and materials engineering projects.

Mr. Graves' primary experience includes the management of leaking underground storage tank (LUST) remedial sites, developing groundwater sampling programs, preparation of Phase I and II environmental site assessments, geotechnical investigations, construction materials testing oversight, managing subsurface soil and groundwater investigations, performing environmental risk assessments, environmental compliance services, geologic and hydrogeologic site characterization, and mineral assessments for potential conservation easements. Mr. Graves also has experience in solid waste engineering for solid waste landfill facilities. His solid waste engineering experience includes regulatory compliance, siting, permitting, geologic and hydrogeologic site characterization, environmental monitoring, and construction quality assurance. His experience includes lined cells; lateral expansions; and cell closure.

Mr. Graves opened and managed a new office for Terracon in Rock Springs, Wyoming in 2005. This allowed Mr. Graves the opportunity to perform and manage geotechnical subsurface exploration projects and to provide materials testing services for a variety of project types including airports, compressor stations, natural gas processing facilities, coal-fired power plants, school facilities, hotels, and many other types of projects.

PROJECT EXPERIENCE

Site Characterization and Remediation

Wyoming Department of Environmental Quality

Currently managing and performing environmental field work and project oversight and reporting for numerous active LUST site remediation systems. Remediation systems include groundwater extraction, enhanced bioremediation, ozone sparging, air sparging, soil vapor extraction and dual phase vapor extraction. On-going projects include remediation systems and/or on-going site investigations/corrective actions in Casper, Cody, Douglas, Glenrock, Green River, Greybull, Jeffrey City, Lusk, Meeteetse, Rawlins, Worland, and Yellowstone National Park. In addition, Mr. Graves is currently managing and/or providing oversight for three Voluntary Cleanup Program projects in Rawlins and Cheyenne.

Previous projects include remediation work being performed for the Indiana Department of Environmental Management, the Nebraska Department of Environmental Quality, and the Colorado Department of Labor and Employment.

Education

Bachelor of Science, Environmental Geology, 1997, Purdue University

Registrations

Professional Geologist: Wyoming, No. 3521

Certifications

40-Hour OSHA Hazardous Waste Operations Training

Nuclear Density Gauge Safety Training

American Red Cross First Aid and CPR

U.S. EPA Accredited AHERA – Asbestos Inspector Training

Affiliations

ASFE/The Geoprofessional Business Association

Northern Colorado Geologists Association

Fort Collins Area Chamber of Commerce

Wyoming Solid Waste and Recycling Association

Association of Environmental and Engineering Geologists

Work History

*Terracon – Fort Collins/Greeley, CO
Office Manager and Environmental Department Manager
August 2009 to Present*

*Terracon – Rock Springs, WY
Office Manager, March 2005 to August 2009*

*Terracon – Cheyenne, WY
Environmental Department Manager
April 2004 to March 2005
Environmental Professional
February 2001 to April 2004*

Creek Run Environmental Engineering L.L.C., Project Geologist, 2000-2001

Schlumberger - Geco-Prakla Division, Acquisition Engineer, 1997-2000

School Facilities

Mr. Graves has been the Project Manager for numerous environmental investigations, geotechnical explorations and has managed materials testing services at various school facilities. Recent examples include geotechnical investigations for a new parking lot and new classrooms at Front Range Community College in Fort Collins, Colorado; geotechnical investigations for student housing and expansion of the student center at Western Wyoming Community College in Rock Springs, Wyoming; environmental compliance services provided during construction for Moby Arena and the Behavioral Sciences Building at Colorado State University in Fort Collins; geotechnical investigations for new classrooms at Morgan Community College in Fort Morgan, Colorado; and environmental site assessments performed during the site selection stage for a new elementary school in Cheyenne, Wyoming for Laramie County School District Number One.

Landfill Facilities

Kemmerer Landfill, Lincoln County, Wyoming

Project Manager for landfill design and permit application project for a lateral and vertical expansion to the existing landfill. Client is Lincoln County Commissioner's Office. This project included preparation of a revised permit application, slope stability analysis, location standard assessment for lateral expansion of the landfill, design of the first engineered containment system (lined cell) at the facility, preparation of revised Environmental Monitoring Plan, and preparation of Construction Quality Assurance (CQA) Plan.

Cheley Camps Landfill, Estes Park, Colorado

Mr. Graves is the Project Manager for a landfill closure design for a private landfill under Colorado Department of Public Health and Environment rules and regulations. Completed services include the installation of groundwater monitoring network, a landfill gas monitoring network, the preparation of a Landfill Closure Plan including technical specifications and a slope stability analysis, and Construction Quality Assurance Plan. Mr. Graves also oversaw the implementation of the plan. The landfill was granted closure from the State in 2012 and Mr. Graves is currently performing long-term closure activities including groundwater sampling, vapor monitoring, and semi-annual visual inspection of the capped landfill and implemented stormwater control system.

Municipalities

Mr. Graves has been the project manager and/or performed project oversight on numerous environmental and geotechnical projects being performed for local municipalities. Recent example projects include environmental assessment services for a new park for the Berthoud Regional Recreation District in Berthoud, Colorado; environmental assessment services for a new office building for Teton County Weed & Pest in Jackson, Wyoming; numerous environmental and geotechnical investigations for the City of Loveland, Colorado; environmental assessment and compliance services for the procurement of new property for the Estes Park Sanitation District, and environmental compliance services for Larimer County Fleet Management.

Residential

Mr. Graves has been the project manager and/or performed project oversight on numerous geotechnical, environmental and materials testing projects being performed for new housing complexes in the past year, including multiple geotechnical investigations for off-campus student housing at Colorado State University and another environmental and geotechnical investigation for off-campus student housing at the University of Northern Colorado in Greeley. Another notable project is Legacy Senior Residences apartments in Fort Collins, Colorado. This project was proposed at a site within a known historic landfill utilized in the early 1900s by the original military fort. Mr. Graves coordinated a combined environmental and geotechnical field investigation for the property and assisted the owner with enrolling the site in the Colorado Voluntary Cleanup Program. To reduce the potential for environmental issues during construction, a helical pier foundation system was recommended and installed with Terracon oversight. In addition, Terracon designed a vapor mitigation system for the proposed structure, as well as the preparation and implementation of a soils management plan to deal with asbestos-contaminated soil uncovered during construction.