Nathan D. Painter

Current Position
Geologist / GLS Division Manager / Geophysical Logger

Profession
Geology

Years' Experience
11+

Education
B.S., Environmental Geoscience, Concord University, West Virginia

Professional Training
40-Hour HAZWOPER

8-hour OSHA – Hazard Recognition for General Industry

Radiation Safety Training

Summary of Experience

Mr. Painter is a Geologist and the GLS Division Manager for MM&A. He is responsible for assisting senior geologists with coal reserve evaluations and other geologic projects. Mr. Painter utilizes digital databases and AutoCAD for coal seam correlation. He is also familiar with the use of computer programs such as Surfer and Carlson Mining for digital seam mapping. He has been involved in core drilling where he has recorded lithologic descriptions and collected coal samples for lab analysis. Mr. Painter has experience in landfill groundwater sampling at multiple sites. Additionally, he has collected core samples for coalbed methane desorption.

Mr. Painter is an experienced geophysical logger and is skilled with a wide range of wireline tools including electronic and mechanical sampling. Previously, Mr. Painter was a senior Measurement While Drilling (*MWD*) technician for Halliburton - Sperry Drilling. As a Senior MWD Technician, he had troubleshooting and remote operations responsibilities over all MWD operations, up to 25 drill rigs, in the US North East region. Mr. Painter is a US Army and WV Army National Guard veteran where he gained experience in asset tracking and chemical/biological/nuclear detection involving both gas and liquid sampling.

Significant Projects

> Performed geophysical logging services in Alabama, Florida, Georgia, Kentucky, Illinois, Indiana, Maryland, Mississippi, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia, and West Virginia (in general, the East coast and Illinois Coal Basin) to subsurface depths of up to 5,000 feet

> Logged coalbed methane wells with natural gamma, density, resistivity, caliper, and deviation probes to assist in locating and accurately determining thicknesses of producing coal seams and surrounding strata

> Utilized magnetic deviation probes to satisfy state regulators to facilitate avoidance of potential intersections of coalbed methane wells

> Conducted geophysical logging at former federal government weapons facility using downhole temperature, resistivity, caliper, acoustic televiewer, and electromagnetic flowmeter probes; data gathered provided information to facilitate decontamination and site remediation

> **West Virginia (Statewide):** Conducted groundwater monitoring at numerous landfill facilities across the state as part of a 30-site, 150-well program.

> **Northern West Virginia/Oklahoma/Arkansas:** Currently involved in multiple coal bed methane desorption projects. Primary role of desorption sample collection and lab recording of desorbed methane.

> **South Western Virginia and Southern West Virginia:** Sampled and documented coal seams for quality testing including precise depth in drill hole, lithology, and core recoveries. Packaged coal samples to client and lab specifications.

> **Southern West Virginia:** As a student, assisted in a CDC research project with water well sample collection in Mercer County, West Virginia.