



## **PROFESSIONAL PROFILE**

**Andrew L. Lockwood.**  
**Economic and Environmental Geologist**

**B.S. Geology, Marshall University**  
**M.S., Environmental Science, Marshall University (pending)**

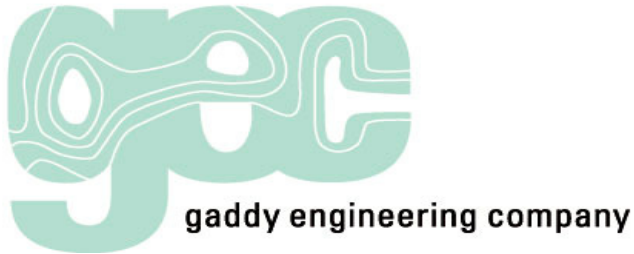
Andrew L. Lockwood is a principle geologist with Gaddy Engineering Company. His duties include environmental assessments and economic evaluation of mineral resources. He is actively involved in developing new business for the company in the areas of geologic exploration and environmental assessment. He has over 30 years of experience in the fields of natural resource evaluation, environmental permitting, hydrologic studies, geotechnical investigations, laboratory analysis, and geophysical exploration.

Before joining GEC, from 2006 to 2010, Mr. Lockwood was employed as Senior Geologist with Stagg Resource Consultants, a consulting firm with offices in Cross Lanes, West Virginia. He conducted Phase I Environmental Site Assessments for large mineral properties in 12 states. He planned and supervised exploration drilling projects in West Virginia, Virginia, and Illinois. His duties also included the preparation of reserve studies in West Virginia, and Virginia as well as assisting in the assessment and appraisal of mineral commodities including coal, oil & gas, aggregates, industrial minerals, base and precious metals.

In 2005 and 2006, Mr. Lockwood was employed as a Geologist / Project Manager with Alliance Consulting Inc., a consulting firm in Beckley, West Virginia. His duties included preparation of the geologic and hydrologic portions of mining permit applications. As part of the environmental services team, Mr. Lockwood prepared and assessed spill prevention and environmental remediation programs for various companies.

From 1989 to 2005, he worked as a Geologist / Project Manager with Thomas Company Inc., a consulting firm in Huntington, West Virginia. His duties included wetlands delineation, installation of groundwater monitoring wells, floodplain development permits, drainage and hydrologic studies, stream bank restoration projects, geotechnical inspection services, and landslide remediation projects. In addition, Mr. Lockwood supervised land management services for a large municipal park system.

From 1986 to 1989, Mr. Lockwood was employed with Appalachian, Hart and Milam, a consulting firm located in Dunbar, West Virginia. He was a Project Manager and Laboratory Manager with the coal and asbestos testing division. His duties included the supervision of the coal testing laboratory, supervision and inspection of asbestos hazard evaluation projects and the collection and analysis of asbestos samples.



From 1982 to 1986, Mr. Lockwood was employed with RMS Geophysical, a geological and geophysical service company located in Huntington, West Virginia. His duties included the supervision of geologic exploration and core drilling projects and geophysical well logging services in West Virginia, Kentucky, Ohio and Pennsylvania. During his time with RMS, Mr. Lockwood was assigned as a Technical Advisor at the An Tai Bao Surface Mine, Shanxi Province, Peoples Republic of China where he supervised geophysical logging operations, trained Chinese personnel, and assisted American and Chinese geologic staff in mine planning.

From 1980 to 1982, Mr. Lockwood was Branch Manager with Commercial Testing and Engineering Company, a coal analysis laboratory service located nationwide. He established the Ceredo, West Virginia office and initiated the client contact and marketing for the concentrated coal transportation industry located at the junction of West Virginia, Kentucky, and Ohio.

### **Recent Projects and Reports:**

- “Valuation of Meral Inc. Mid-Volatile Coal Mining Project, Greenbrier County, WV, February 15, 2011”  
Evaluated 15,000 acres with proposed mining and proposed mining facilities for \$100 million loan by determining net present value of the same
- “Royalty Validation Report for Prichard-Holley et al, Tract 23, Boone County, West Virginia, February 2011”  
Assessed royalty payments versus tons mined as shown on progress maps for a 3,500 acre property containing multiple operating mines.