

Clark L. Scheerens, B.S. Geology, M.S. Geology
Curriculum Vita

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CURRENT GOALS

Obtain employment as a Geologist in an environmental, field operations, or investigative role on behalf of an energy or mineral resources development company, utilizing the skills acquired in my previous 28-year career, 18 years as a regulatory Geologist, at the Ohio Department of Natural Resources.

Major qualifications include excellent written and verbal communications skills, comprehensive knowledge of Ohio geology and related environmental concerns with regard to mineral extraction. Have considerable experience in managing field investigations and staff assigned to investigation teams, as well as experience with legal concerns and activities as an Expert Witness on related Geological matters. Also have experience assisting in administration of the Ohio Idle and Orphan Well plugging program, and preparing and presenting technical training to other staff on several topics.

EXPERIENCE

10/2006 – Present Semi-Retired

Retired from position at Ohio Department of Natural Resources after 27+ years, took Early Retirement Incentive offered to long-term employees. Recent activities involve researching and preparing Geologist's reports for landowners involved in land easement commitments to various Ohio Land Trust groups.

Active in volunteer group related to ODNR funding source issues (ODNR Stakeholders group), and, as a Life Member of the Ohio Civil Service Employees Association, committees involving professional's issues related to State of Ohio employees. Also work intermittently when necessary for the Columbus Area Labor Management Committee, assisting in training Displaced Worker placement committees involving closures and staff reductions at State facilities.

2000-10/2006

Geologist/Hydrogeologist, Technical Services Support Section, ODNR, Division of Mineral Resources Management, 2045 Morse Road Bldg. H-3, Columbus, OH 43229-6693. Conducted and coordinated investigations of contamination complaints related to oil and gas, coal mining, and industrial minerals extraction operations. Authored investigation reports, recommended administrative and/or legal actions resulting from investigations. Developed and presented technical training curriculum for field staff. Authored other reports on related topics. Assisted other staff geologists in complex investigations. Served as in-house expert on Pennsylvanian stratigraphy.

- Researched various data sources containing geology and hydrology information (such as geological maps, reports; soil maps; water well records, DRASTIC maps, water resource bulletins; etc. to compile investigation reports and summaries.
- Developed site-specific water flow estimates from geologic and hydrologic information (for surface and groundwater systems) and recommended water supply replacements and pumping/purging routines when appropriate.
- Collected and evaluated data from geophysical instruments.
- Prepared and presented training curriculum to other Division staff on topics including oil and gas complaint investigations and hydrogeology.
- Assisted in administrative and legal case preparation, and acted as expert witness on behalf of Division and Department in litigation of contamination cases including courtroom testimony.
- Prepared and presented technical papers at various professional society meetings and other venues.
- Recommended purchase of hardware and software for Division PC's used in research and investigation.
- Trained and advised other technical staff members in use of specialty PC software.

1988-1994 and 1996-2000

Geologist/Hydrogeologist, Groundwater Protection Section, ODNR, Division of Oil and Gas. Conducted and coordinated investigation of contamination complaints related to oil and gas exploration and production operations. Authored investigation reports, assisted in enforcement action case preparation, authored articles for research grants and various publications. Assisted in design and administration of Idle and Orphan Well Plugging Program, including geologic and budgetary aspects of program, beginning in 1997.

- Conducted and coordinated investigations, including on-site activities, authored reports for resolution of water and soil contamination investigations.
- Researched various data sources containing geology and hydrology information (such as geological maps, reports; soil maps; water well records, DRASTIC maps, water resource bulletins; etc. to compile investigation summaries. Collected and evaluated data from geophysical instruments and geophysical records.
- Developed site-specific water flow estimates from geologic and hydrologic information (for surface and groundwater systems) and recommended water supply replacements and pumping/purging routines when appropriate.
- Acted as expert witness in litigation of contamination cases including courtroom testimony.
- Prepared and presented technical papers at various professional society meetings, training sessions and other venues.
- Recommended and initiated purchase of personal computer hardware and software for Division use in research and investigation. Trained and advised other scientific staff members in use of specialty PC software.

1994-1996

Geologist/Geographic Information Systems Coordinator, Data Systems Section, ODNR, Division of Oil and Gas. Conducted needs assessments and assisted in planning hardware and software acquisition for Geographic Information Systems initiative in Division of Oil and Gas. Initiated and coordinated acquisition of scientific software and hardware for administrative, technical and research staff at Division of Oil and Gas. Prepared and revised Long Range Information System Plans (LRISP) for Division of Oil and Gas.

- Trained and assisted other Division employees in use of various PC-based software including WordPerfect, Microsoft Word, Excel, Access, etc.
- Facilitated acquisition and initiates use of various technical and G.I.S. related software such as Surfer, Grapher, DesignCAD.
- Determined hardware needs for PC's for use in GIS program in conjunction with other Division and Departmental data sources and programs.
- Coordinated data collection efforts of other Division employees.
- Participated in review of contract for customization of Oil and Gas regulatory agency database (Risk Based Data Management System or RBDMS) and recommended modifications of level of effort by contractors.
- Facilitated a Quality Improvement Team chartered to provide a framework and plans to design a computerized Permit Application module for the Division of Oil and Gas.

1979-1988

Geologist, Regional Geology Section, ODNR, Division of Geological Survey. Conducted coal resource and reserve studies for reports on various coal deposits in Ohio. Provided information on coal resources, other mineral resources, and general geology in response to public and private sector inquiries including other government agencies.

- Researched and composed reports on low sulfur coal resources, including fieldwork and quantitative resource and remaining reserve estimates.
- Proposed, directed and reported on core drilling projects to evaluate deep coal resources.
- Participated on committee to revise coal resource and reserve calculation methods in Geological Survey reports.
- Effected changes in Geologists duties during core drilling projects, resulting in significant savings to agency.

1976-1978

Graduate Student and Teaching Assistant, University of Toledo. Taught undergraduate and graduate level laboratories in various geology courses including Mineralogy and graduate level Instrumental Analysis.

EDUCATION

- 1979** Master of Science in Geology, University of Toledo; Toledo, Ohio
- Master's Thesis "An Investigation of Some Geochemical Variations in Three Silurian Dolomites from Northwestern Ohio"

- Received award for Best Thesis of the Year (1979), presented by Toledo Geology Department faculty
- Recipient of Teaching/Research Assistantship with full tuition waiver
- Member of Sigma Gamma Epsilon (Earth Sciences Honor Society)

1974 Bachelor of Science in Geology, SUNY College at Brockport
Two semesters on Dean's List (academic honors)

CONTINUING EDUCATION

- 2004** "Exploration and evaluation of Fractured Reservoirs" Workshop presented by the Petroleum Technology Transfer Council
- 2000** "Water Well Rehabilitation Workshop" presented by Subsurface Technologies, Inc., sponsored by Bowser Morner, Inc.
- 1989** "Principles of Ground Water" Short Course on Hydrogeology presented by the Association of Ground Water Scientists and Engineers: E. Scott Bair, Ph.D., The Ohio State University, Jay H. Lehr, Ph.D., National Water Well Association, and Thomas G. Naymik, Ph.D., Battelle Memorial Institute, Instructors

PROFESSIONAL AFFILIATIONS

Geological Society of America (GSA)
Association of Ground Water Scientists and Engineers (National Ground Water Association)
Ohio Academy of Science (OAS)
Ohio Geological Society (OGS)
Society of Economic Paleontologists and Mineralogists (SEPM)

PUBLICATIONS/PRESENTATIONS

- 2004** Investigation of De-Watering at Byesville Number 1 Water Well Field, American Association of Petroleum Geologists, Eastern Section Meeting, Columbus, Ohio.
- 2004** Investigation of De-Watering at Byesville Number 1 Water Well Field, Ohio Applied Research Conference, sponsored by Ohio Department of Natural Resources, Division of Mineral Resources Management and Ohio University, Athens, Ohio.
- 2004** Member, Panel Discussion on Complaint Investigation practices at DMRM, ODNR; at annual Ground Water Law Conference sponsored by National Ground Water Association, Chicago, IL
- 1997** Presentation on portion of Risk Based Data Management System (RBDMS) at Ground Water Protection Council Meeting, Cleveland, Ohio.
- 1982** Paper on low sulfur coals in SE Ohio, American Association of Petroleum Geologists, Eastern Section Meeting, Akron, Ohio.
- 1981** Paper on careers in Geology, Ohio Academy of Sciences Annual Meeting, University of Toledo; Toledo, Ohio.

EXPERT WITNESS TESTIMONY EXPERIENCE

- 2003** Guernsey County Court of Common Pleas – Village of Byesville vs. E.K. Development
Deposed prior to Trial, and qualified as Expert Witness in Geology and Hydrogeology
Qualified as Expert Witness in Geology and Hydrogeology in three previous County Court actions, two previous Depositions, and two Mining Board of Review (administrative appeals Board) Hearings over previous 18 years. Provided Professional Expert Witness opinion and review of case issues as both primary investigator and part of investigation teams on several other matters that settled prior to Trial or Administrative Hearing.