

JACLYN RENNEBOHM

Education

B.S., Geology, University of Wisconsin – Madison, 2015



Specialty Certifications

HAZWOPER 40-Hour Certification

MSHA 30 CFR Part 46 Certification

Tank-System Site Assessor Certification

Professional Affiliations

Wisconsin Groundwater Association

Professional Experience

Ms. Rennebohm’s expertise includes environmental due diligence, site scoping, and remedial investigation for property redevelopment and case closure, groundwater monitoring and data management at solid waste facilities, drilling and construction oversight, emergency spill response, geotechnical and construction materials testing, and wireline drilling. Ms. Rennebohm has experience working with private entities and state, county, and city agencies throughout Wisconsin, Iowa, and Illinois, including the Wisconsin Department of Natural Resources, Dane and Jefferson Counties, and the City of Madison.

Environmental Due Diligence and Remediation

Authored dozens of Phase I Environmental Site Assessments following ASTM scope items and non-ASTM scope items such as emerging contaminants and wetlands.

Coordinated and performed Phase II site assessments, material management planning, and remedial oversight for brownfield properties in Madison, Wisconsin and other locations slated for redevelopment. These properties generally included historic commercial and industrial properties within an urban environment.

Completed soil, groundwater, and vapor characterization, sampling, and assessment for properties impacted with petroleum products, chlorinated solvents, agricultural chemicals, and most recently, per- and polyfluoroalkyl substances (PFAS).

Assisted with the removal of known and newly discovered underground storage tanks and associated piping.

Co-authored successful case closure and remedial construction documentation reports for investigated sites including former petroleum service stations, dry cleaners, historic fill sites, and agricultural facilities.

Coordinated and oversaw the installation of monitoring wells and soil borings as the project geologist at municipal and electric utility landfills, state, county, city, and private properties.

Participated in a high profile legal case where over 60 water samples were collected from private residences and public buildings outside of Chicago, Illinois.

Solid Waste Compliance and Monitoring

Assisted in sampling programs and prepare semiannual, annual, and biennial reports following State requirements at active and closed municipal and coal combustion residual (CCR) landfills in Wisconsin and Iowa.

Contributed with permitting and preparation of an expansion at a municipal landfill in Dane County, Wisconsin.

Coordinated and performed private well sampling at properties surrounding solid waste facilities in Wisconsin and summarized findings to the Wisconsin Department of Natural Resources.

Acted as field geologist providing oversight for clay borrow excavation and material screening, soil sampling, monitoring well and gas probe installation and abandonment, groundwater monitoring, and hydraulic conductivity testing for solid waste facilities throughout Wisconsin and Iowa.

Emergency Response Services

Aided in the clean-up and reporting of hazardous substance spills and underground storage tank removals throughout Wisconsin. Performed soil sampling and analysis, excavation oversight, and waste profiling services on sites needing additional work in order to comply with regulatory statutes.

Construction Materials Testing

Performed ACI concrete testing and sampling in the field and lab. Laboratory work consisted of ASTM calibration and the preparation and processing of geotechnical samples. Testing conducted on geotechnical samples consisted of sieve analysis, moisture and organic content, Atterberg limits, hydrometers, and proctors.

State Drilling Project

Supported the Wisconsin Geological and Natural History Survey's drilling team in the collection and analysis of bedrock core samples as part of the Dodge County State Map project. Field work included taking detailed notes of lithology, stratigraphy, fracture orientations, and important events while drilling. Labeled, cleaned, and organized core samples on-site in provision for future research and then transferred to the lab to be photographed, marked with depths, and scanned with an XRF at 1-foot intervals.

Publications and Presentations

DeBruyne, J. and Stewart, E., The Sedimentologic and Petrologic Characterization of the Waterloo Quartzite, Dodge County, WI, Wisconsin Geological and Natural History Survey, Madison, WI, May 2015.

Stewart, E., DeBruyne, J., Zambito IV, J., McLaughlin, P., and Dehler, C., New Detrital Zircon Age Data From Baraboo Interval Quartzites, Southern Wisconsin, GSA North-Central Section – 49th Annual Meeting, Madison, WI, May 2015.