

Marco Wikstrom
Staff Hydrogeologist, Level 2
mwikstrom@shomaker.com

Mr. Wikstrom has 6 years experience as a geoscientist and hydrogeologist in a variety of complex and demanding projects, and is a retired United States Air Force Master Sergeant who led fighter squadron maintenance operations. In the military he served in the Middle East, Africa, Europe, Orient, and North America, and as a geoscientist on projects across the United States.

Municipal Water Supply Well Projects: Field supervision and oversight for water utility and other large well installations, well development, and aquifer pumping tests. Collection and processing of aquifer and surface water hydrologic data using pressure transducers, field computers, water quality instruments, and manual methods.

Groundwater Monitoring and Environmental Characterizations: Field collection of mine, petroleum, and other geochemical and aquifer data using submersible pumps, bailers, sounders, transducers, and water quality instruments. Installation oversight of large injection and extraction well fields. Phase II environmental assessment oversight of drilling, sample collection, and well installations. Authored Phase I environmental assessments for retail gas stations, mine sites, and development properties. Subsurface and surface soil sampling.

Permitting: Authored several discharge permit applications for the petroleum, gas, and mining industries. Mr. Wikstrom has worked closely with clients and regulators to get permits approved.

Other Experience: Field manager, health and safety officer, and staff member in a variety of complex projects, nationwide. Abandoned mine site characterizations, including investigation and drilling oversight of a burning coal mine fire, shaft collar characterizations, geologic mapping, drilling, coring and direct push oversight, lithologic logging, and historical research. Assistance for groundwater resource studies for natural gas exploration, mining, and nuclear electric clients in New Mexico, Colorado, and Texas. Geotechnical drilling oversight for building, wind turbine, solar farm, road, and bridge projects. Direction of field activities and permit application writing for soil remediation projects. Trained and assisted non-profit organization scientific staff in groundwater and surface water sample collection, stream gaging, and authored portions of their quality assurance plans and standard operating procedures. Developed and authored JSAI standard operating procedures for a variety of field tasks. Maintains field equipment and instrumentation.

EDUCATION

M.S., Water Resources, Hydrosience,
2013 (professional project in work)
University of New Mexico
Albuquerque, New Mexico

B.S., Geology, 2007
South Oregon University
Ashland, Oregon

REGISTRATIONS

MSHA

HAZWOPER

OSHA Construction Safety

ExxonMobil Loss Prevention

Shell Yellow Book

AFFILIATIONS

Board Member, Middle Rio Grande
Water Assembly

Science Fair Judge, NM STEM
Education Outreach Programs

Member, Sigma Xi, the Scientific
Research Society
