Marco Wikstrom

Staff Hydrogeologist, Level 2

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Mr. Wikstrom has over 10 years of 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, Mine, and Industrial Water Supply Well Projects: Field supervision, oversight, developed specifications, and report writing for large-capacity water supply wells. Provided construction oversight during well drilling, completion, 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.

EDUCATION

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

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

REGISTRATIONS

MSHA

HAZWOPER

OSHA 30-hour 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

Permitting: Completed several discharge permit applications for the petroleum, gas, and mining industries. Completed a discharge permit application for a successful uranium mine de-watering test. Mr. Wikstrom has worked closely with clients and regulators to get permits approved.

Relevant 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, direct push, lithologic logging, and historical research. Worked in sub-zero conditions identifying the narrow injection zone of a 4,065 ft Class I injection well by lithologic logging, later confirmed as spot-on through geophysical logging. Assisted with 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. Developed and authored JSAI standard operating procedures for a variety of field tasks.