

# Brionna O'Connor

*Project Hydrogeologist*

*boconnor@shomaker.com*

Ms. O'Connor has been with JSAI since July 2017. Her work at JSAI involves water well siting and reporting, aquifer storage and recovery assessments, environmental clean-up scope and specifications, and scientific instrument implementation for monitoring of surface and groundwater. In the field, Ms. O'Connor has experience sampling groundwater and surface water, performing aquifer pumping tests, overseeing water-supply well drilling projects, collecting geophysical data, and logging lithologies.

### ***Water Resource Database Development:***

Building and maintaining well performance spreadsheets for water resource and environmental data to best utilize and improve upon available client data.

***Water Supply Well Projects:*** Management of water supply well projects (as technical support for Project Engineer), including management of well drilling, completion, development, and test pumping in the field. Evaluation of pumping test data.

***Groundwater Monitoring:*** Installation and sampling of groundwater monitoring wells. Installation and maintenance of long-term groundwater monitoring equipment, and development and maintenance of groundwater monitoring databases.

***Geologic, Hydrogeologic, and Environmental Field Services:*** Water quality sampling, soil sampling, soil gas monitoring, streamflow measurements and seepage runs, oversight of drilling and completion of water supply wells and monitoring wells, and installation of long-term groundwater monitoring equipment. Geologic mapping and development of maps and cross-sections in support of hydrogeologic evaluations and environmental permitting.

***Geophysical Logging:*** Collection and interpretation of geophysical logs from boreholes drilled through unconsolidated sediments, sedimentary rocks, and volcanic rocks.

***Regulatory Compliance and Permitting:*** Completion of various permit applications submitted to the New Mexico Office of the State Engineer for new or replacement wells and to change existing water rights.

### ***Software Experience:***

AutoCAD Map 3D, Golden Software Surfer and Didger, Microsoft Office Suite, Adobe Illustrator, Adobe Acrobat, PHREEQC

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### EDUCATION

B.S., Earth & Environmental  
Science, 2014  
Lehigh University  
Bethlehem, Pennsylvania

### REGISTRATIONS

State of Pennsylvania, Geologist in  
Training, GT000247

OSHA Hazardous Waste  
Operations and Emergency  
Response (HAZWOPER)  
certification

OSHA HAZWOPER 8-hour  
refresher

### AFFILIATIONS

National Ground Water  
Association (NGWA)

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