

Baseline Water Quality Sampling and Monitoring

*Defensible Data Collection.
Project Compliance.*

Sample collection from surface water, shallow groundwater, or domestic water supplies to determine baseline water quality conditions prior to drilling, well completion, and production is critical. It can help you avoid onerous regulatory claims and erroneous public assumptions. More importantly, perhaps, it can be the decisive factor between expensive litigation and a successful operation.

We understand water quality

Water quality can vary at different times of the year and change with natural conditions or from human sources of contamination. Establishing a definitive baseline and monitoring changing conditions is essential. More importantly, establishing and maintaining a robust and compliant Sampling and Analysis Plan (SAP) and monitoring program can lay the foundation for a smooth and profitable path forward.

Data that makes a difference

Good data requires sound science, a rigorous Quality Assurance (QA) program, robust quality control (QC) checks, a modeling and documentation process that mitigates risk, and comprehensive procedures to ensure validity. At Apex, we are committed to capturing and analyzing good data to help our clients avoid project pitfalls and setbacks, curtail costs, achieve compliance, and limit liabilities. Our clients turn to us because they know that in addition to defensible results, our technical approach also yields savings and facilitates regulatory approvals.

Discover the difference of partnering with a company like Apex. We have nearly 20 years of experience providing baseline water quality services and have monitored over 7,500 water wells in North Dakota, Montana, Wyoming,

Colorado, Utah, and Pennsylvania. We complement that experience with an in-depth knowledge of federal, state, and local regulations; exemplary project management skills; regulator relationships built on trust; and comprehensive expertise rooted in the oil and gas industry. Equally important, our experts possess the proven ability to handle even the most complex stakeholder concerns with integrity and professionalism.

We turn information into insight

We take data management a step further as well, raising the bar for environmental information management systems. We can help you move from reactive or corrective actions to proactive planning and decision-making. Our enterprise-wide solution, ARTEMISSM, can help you track, manage, schedule, and maintain your SAP in real-time so you can stay abreast of changes and ensure continuous improvement. Pair this functionality with our analytical and statistical expertise and you can synthesize, analyze, and visualize your data to curtail your costs while improving your bottom line.

Representative Baseline Services

- SAP assessment, development, and implementation
- Gap analyses (e.g. sampling procedures, geographic scope, and regulatory processes)
- Standard Operating Procedures (SOP) development and implementation
- Available water sources (AWS) identification, prioritization, and notification
- Regulatory exception documentation
- AWS sampling coordination, scheduling, and tracking
- Tanking and off-site disposal of purge water
- QA/QC reviews and verifications
- Isotopic analytic interpretive reports and recommendations
- Regulatory field and analytical reports and submittals
- Community relations and landowner outreach
- Comprehensive project progress updates

About Apex

Established in 1988, Apex is a national multidisciplinary consulting, engineering, and field services firm with a robust portfolio of capabilities in water resources, environmental services, health & safety, construction management, transportation, and compliance & assurance. Rated #16 as an *ENR* All-Environmental firm and #68 in the top 200 overall, we are known for our technical expertise, rapid response, operational integrity, and exceptional client satisfaction. We operate in all 50 states and maintain a highly capable and diverse team of scientists, engineers, technicians, and information management specialists. For more information, visit www.apexc.com.

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