

Water Quality Management

KU Resources has been proactive in the dynamic water quality regulatory arena for the last several years. Our renewed focus on water quality stemmed from the increased regulations that have been imposed on upfront site development costs. The additional protective measures that are now required to achieve the regulatory water quality objectives have the potential to impact our clients if suitable solutions are not afforded on an industry-wide basis.



Phase II of the National Pollutant Discharge Elimination System (NPDES) now mandates local storm water management programs for municipalities. Local governments must incorporate informational and educational components, as well as construction site erosion controls and post-construction storm water management into their programs. KU Resources has a Certified Professional in Erosion and Sediment Control and a Certified Professional in Storm Water Quality on staff to further assist clients. These classifications allow us to expand and maintain our expertise in the design and evaluation of erosion and sediment control (ESC) and storm water pollution prevention plans.

Our continuing education will allow us to provide a balance between protecting water quality and controlling our clients' risks. The health of stream and coastal ecosystems are known to be affected by erosion and sedimentation in watersheds. Mitigation of the effects of these influences on our water supply can be eradicated through appropriate mitigation plans. Existing structures and roadways often require mitigation measures to prevent repetitive damage from water influences, such as gulying or slope failures.

Water Quality Services

Our personnel are dedicated to reducing erosion, improving water quality, and improving aquatic and riparian habitats through the following services:

Compliance Assistance

- Compliance Assessment and Planning
- Sampling
- Biological Studies
- Discharge Monitoring Reports
- Operational/Engineering Assistance
- Long-Term Monitoring
- Regulatory Negotiations
- Developing Site-Specific Criteria
- Acid Mine Drainage Treatment and Abatement
- TMDL Studies and Assessments
- Water Quality Modeling
- Thermal Variance Demonstrations
- Aquatic Assessments/Stream Surveys
- Watershed Studies
- Data Validation/Statistical Analyses

Facility Plan Preparation

- ESC Plans
- Storm Water Pollution Prevention Plans
- Municipal (MS4) Planning/Monitoring
- Integrated Contingency Plans
- SPCC and PPC Plans
- Wetlands Evaluations and Delineations

Permit Applications

- NPDES Process and Stormwater Discharge
- Sanitary Sewer Discharge
- Air Quality for Wastewater Treatment Plants
- Joint Permit Applications
- USCOE Nationwide Permits
- Water Obstruction and Encroachment Permits

